

**BC Geological Survey
Assessment Report
37889**



Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Report on the 2018 Diamond Drilling Program

TOTAL COST: \$141,288.03

AUTHOR(S): David Bridge, P.Geo

SIGNATURE(S): "David Bridge"

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-1-805, , Approval # 18-1650537 0910

YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5715284, October 11, 2018

PROPERTY NAME: Haskins Reed Property

CLAIM NAME(S) (on which the work was done): 510720/L303, L330

COMMODITIES SOUGHT: Zn, Au, Cu, Pb, Ag, Mo, W

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: _____

MINING DIVISION: Liard Mining Division

NTS/BCGS: 104P/6, M104P033, M104P023

LATITUDE: 59 ° 18 ' 36 " LONGITUDE: 129 ° 27 ' 40 " (at centre of work)

OWNER(S):

1) Pacific Bay Minerals Ltd.

2) _____

MAILING ADDRESS:

120 – 601 W. Cordova Street, Vancouver, BC, V6B 1G1

OPERATOR(S) [who paid for the work]:

1) Pacific Bay Minerals Ltd.

2) _____

MAILING ADDRESS:

120 – 601 W. Cordova Street, Vancouver, BC, V6B 1G1

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Mt. Haskins, Mt. Reed, Brett Zone, McDame Synclinorium, Autochthonous Cassiar Platform, Skarn, magnetite sphalerite skarn,

Metasediments, argillites, thrust faulting, Cassiar Gold Camp, Della Mines, Canadian Superior

Rosella Boya Formation, McDame Group, Road River Group

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 48, 4481, 5721, 5121, 25254

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core 448.2m, Seven (7) NQ drill holes		510720 / L303, L330	\$138,288.03
Non-core			
RELATED TECHNICAL			
Sampling/assaying 33 drill core samples+8stand.d+blank		510720 /L303, L330	\$3,000
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			\$141,288.03

**REPORT ON THE
2018 DIAMOND DRILLING PROGRAM
MOUNT HASKINS REED PROPERTY**

**Cassiar District
Liard Mining Division
British Columbia, Canada**

**UTM Zone 09 NAD 83
473839E, 6574697N
NTS 104 P/06**

Program: September 1st to October 10th, 2018

Report Prepared For

**Pacific Bay Minerals Ltd. Ltd.
120 – 601 W. Cordova Street
Vancouver, BC, V6B 1G1**

**Prepared By
David Bridge, P. Geo**

January 28, 2019

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SUMMARY

This report provides a summary of the results obtained during the 2018 Diamond Drilling Program conducted by Pacific Bay Minerals Ltd. on the Meteor-Boot Zone within the Mount Haskins Reed Property situated in the Cassiar Gold District, Liard Mining Division of northwestern British Columbia. The work program consisted of a seven (7) NQ drillholes totaling 448.2 meters of drilling.

The objective of the drill program was to further explore the potential of the Meteor-Boot Zone.

The program design and execution was supervised by Lesley Hunt, a local consulting geologist with over 29 years experience in the Cassiar area. DJ Drilling of Watson Lake, YT was contracted to perform the drilling during period of September 17th to 27^h, 2018.

Total applicable exploration expenses on the Mount Haskins Reed Property during the 2018 exploration program amounted to **\$141,288**.

The Mount Haskins-Reed property of Pacific Bay Minerals Ltd. Ltd comprises 11 mineral tenures totaling 3,354 hectares (Table 1). The property is located 22 km northeast of the old townsite of Cassiar, British Columbia, (See Figure 2, Regional Tenure Location). Road access to the property is provided from an access road departing the Stewart Cassiar Hwy at Kilometer 613 and following the well established gravel roads previously the Old Della Mines access roads, up to the lower of Mt. Haskins.

The property covers several historic mineral showings and developed prospects including: the Joe Reed polymetallic vein with silver, lead and zinc; the Mount Reed skarn/stockwork with zinc copper molybdenum and tungsten; and the B Zone skarn containing, copper, lead, zinc, silver and bismuth.

Exploration work has been carried out on the Mount Haskins-Reed property since 1937 with the bulk of exploration conducted since the 1960s.

The claims are underlain by mainly thrust imbricated strata belonging to the Boya and Rosella Formations of the Atan Group and the overlying Kechika Group. These strata are age dated at Cambrian to Ordovician. Eocene age quartz-feldspar porphyry plutons of the Mount Haskin and Mount Reed stock complex intrude these sedimentary units in the north and central portion of the property. Intrusion of these igneous bodies have created contact metamorphic aureole within the sedimentary strata in which massive sulphide mineralization has developed.

A total of 33 drill core samples were collected from the seven diamond drill holes. In all, 41 samples including standards and blanks were shipped to ALS Global in Whitehorse for analysis and assay. The drill core is stored at the Hunt Exploration camp NAD 83, UTM Zone 9, 462887 E, 6567294 N.

Further diamond drilling is recommended within the Meteor- Boot zone.

INTRODUCTION

This report documents the results of the 2018 Exploration program on the Mount Haskins Reed Property within the Cassiar Gold District, Liard Mining Division in northwestern British Columbia that was conducted by Pacific Bay Minerals Ltd. Ltd.. The diamond drilling program was conducted from September 1 to October 10, 2018 and totaled 448.2 m of NQ core in seven holes.

The drill program was completed on mineral tenure 510720/L303 and crown grant L330 on the lower northeast slope of Mt. Haskins.

Work conducted for this report was supervised by Lesley C. Hunt, B.Sc. Geol., who has worked throughout the Cassiar area specifically on Mt Haskins and Mt. Reed as a consulting geologist for over twenty years. The work conducted and reported on for this report was financed by Pacific Bay Minerals Ltd. whose head office is at # 733 – 510 W. Hastings Street, Vancouver, BC, V6B 1L8.

Total applicable exploration expenses on the Mount Haskins Reed Property during the 2018 exploration program that are documented in this report total **\$141,288**. A Cost Statement accompanies this report in Appendix F.

The objective of the drill program was to further explore the potential of the Meteor-Boot Zone.

Some of the regional geology discussion contained in this report has been sourced from the report titled “Technical Report on the Haskins - Reed Property, Cassiar District, Liard Mining Division, British Columbia”, dated August 8, 2008, authored by Thomas Carpenter, B.Sc., PGeo and William R. Gilmour, B.Sc., PGeo. This Technical Report is available on SEDAR.

Additional historical and geological information was obtained from digital reports, maps and knowledge obtained from the Lesley Hunts reports and knowledge of the region. The author believes the data and the interpretations contained in this report to be a current and an accurate representation of the property’s geology.

The author has relied upon verification by Pacific Bay Minerals Ltd. of the title to these claims and the underlying agreements. Claim locations are as indicated by the Mining Recorder and MT Online.

Drill core samples were shipped to the ALS Global Lab in Whitehorse, Yukon Territories for geochemical analysis and assay. A Summary of the Analytical and Assay results are presented in Appendix A and the Original Certificate of Analysis and Assay is presented in Appendix B. Analytical and Assay Procedures are described in Appendix C.

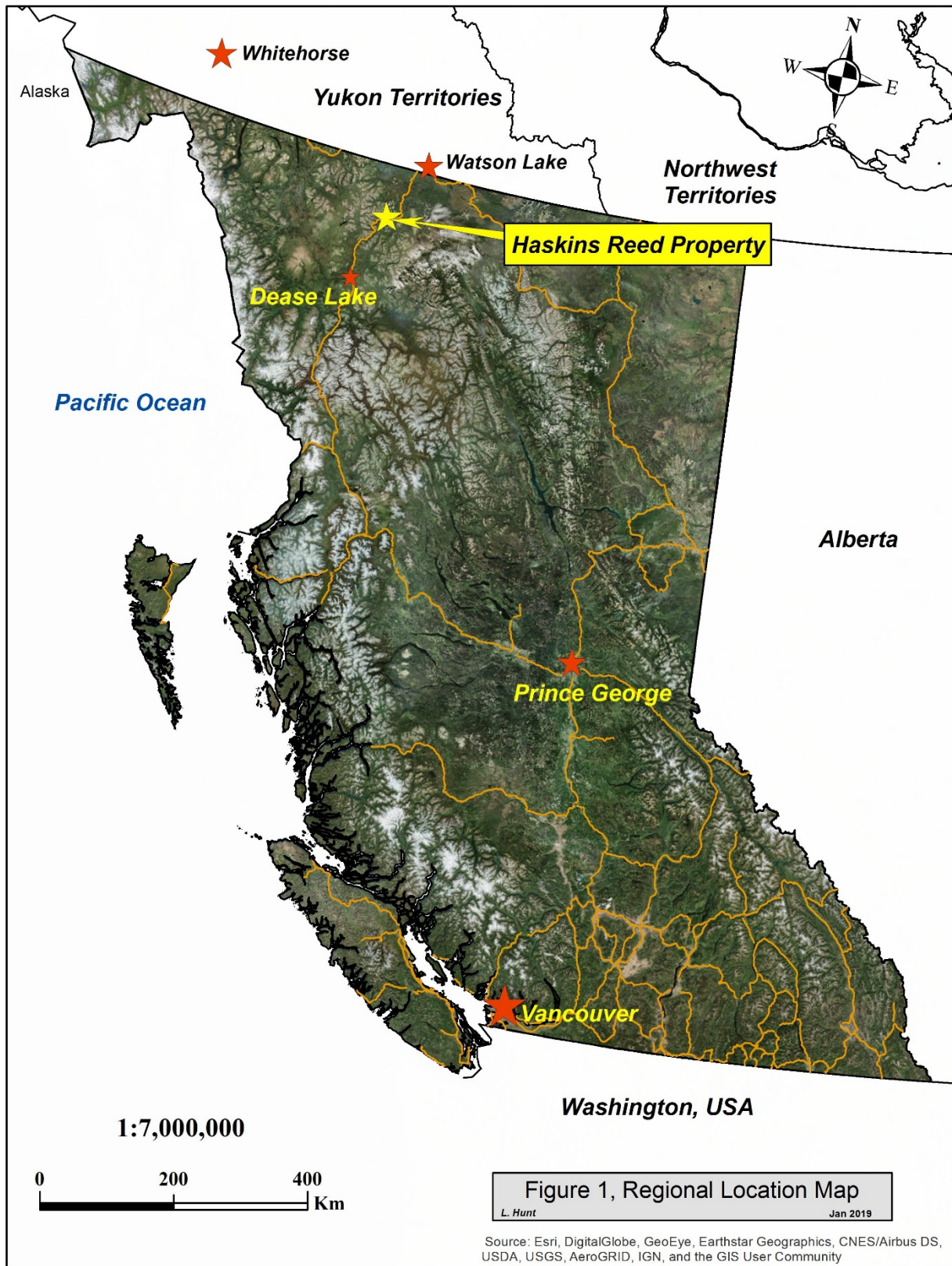


Figure 1: Property Location

LOCATION, ACCESS AND INFRASTRUCTURE

The Mount Haskins-Reed Property located 59° 18' 36" north latitude and 129° 27' 40" west longitude within BCGS Map Sheets 104P.023, 033 and National Topographic System (NTS) Map Sheet 104P/ 06. The Property is located in northwest British Columbia, 23 kilometres east-northeast of the old town site of Cassiar, BC, 120 km south of Watson Lake YT and 126 km north of Dease Lake, BC,(see Figure 1). The Property comprises 11 mineral tenures containing 3.353.9 hectares (Table 1).

Access to the property is via four-wheel drive vehicle departing from Hwy 37N (Stewart Cassiar Hwy) approximately 13km northeast of the townsite of Jade City. The old Della Mines Access Road then splits off to the north from the access road to Hot Lake which continues on to the west.

Mineral exploration activities can be completed during the summer months, from late May through to October. Drilling operations can be conducted on a year-round basis subject only to adequate provision for snow removal from access roads and water for various work activities. The former Cassiar asbestos mine operated in the district from 1953 until 1992. The open pit mine was located at high elevation and seldom encountered unmanageable operating conditions.

Most general supplies and services are available in Watson Lake, Yukon Territories and limited supplies are available in Dease Lake, British Columbia. Scheduled commercial air service is available from Smithers to Dease Lake three days a week by Northern Thunderbird Air (NTAir). The Cassiar airstrip is available for use by charter aircraft. Alkan Air out of Whitehorse has in the past flown numerous charters into Cassiar in the last few years. NTAir has also flown charters from Vancouver to Cassiar returning the same day.

The nearest major centers are Whitehorse, Yukon with a population of 28,000, located approximately 560 kilometres via Hwy 37N and the Alaska Highway and Smithers, BC which services a population of 15,000, located 720 kilometres south via Hwy 37N and Hwy 16 east.

Only twenty two full time residents of which eight (8) are minor children in one family remain in the nearby townsite of Jade City. Power for the region has historically been provided by privately owned diesel generators, however BC Hydro has entered into an agreement to supply power to the local residents and businesses in the immediate Jade City area which should be in place in 2015.

There is a small but highly skilled population base in the area however most personnel needed for an exploration program would have to be hired from elsewhere. The former townsite of Cassiar was purchased in 1996 and a few buildings remain. In the past the buildings have been leased out to various local exploration companies to serve as base camp facilities.

PHYSIOGRAPHY, CLIMATE AND TOPOGRAPHY

The Property is mostly rugged terrain on both sides of McDame Creek. Elevations range from around 900 m along McDame Creek to in excess of 1,900 metres above sea level at the northwestern part of the property, at the summit of Mt. Haskins. The claims are drained westerly and southwesterly into Hot Lake and Hot Creek; southerly and northerly into McDame Creek; and northeasterly into Poorman Lake and Dennis Creek.

The climate is characterized by short, warm summers and long, cold winters. Underground mining can be conducted year round. Daily mean temperatures recorded at Jade City range from -20°C in January to $+15^{\circ}\text{C}$ in July. Snowfall between October and May has an average total accumulation of 227 cm. Highest summer temperatures are close to 25°C and winter temperatures may exceptionally reach -50°C . Precipitation, equally in the form of rain in summer and snow in winter, averages 750 mm annually (Environment Canada website). Cloud cover prevails in summer and low hanging fog frequently obscures the mountains.

Vegetation consists of forests of jack pine, lodge pole pine, black spruce, and poplar thinning to buck brush and alpine meadows above tree line at 1,400 to 1,500 metres above sea level. Valley bottoms comprise shallow lakes and swamps with thick, stunted growths of pine and spruce.

The Mount Haskins Reed Property is covered by eleven contiguous mining claims and three crown grants all of which are 100% owned by Pacific Bay Minerals Ltd.

The 2018 exploration program was conducted on mineral tenure 510720 and crown grant L330.

CLAIM STATUS

The author is not aware of any environmental issues specific to the Property. The Property is in the Statement of Interest area of the Kaska Dena Council. No LRMP has yet been planned for the area of the Property.

The author has checked the status of recorded ownership and expiry dates of the mineral tenures that cover the Haskins Reed Property, as listed on the BC MEMPR Mineral Titles Division website. The claim tenure numbers, names, expiry dates, and areas that comprise the property are all currently in good standing and are listed in Table 1 below (Figure 2). Most of the drilling was done on mineral tenure 510720/L303 and the remainder on crown grant L330.

Table 1; Pacific Bay Minerals Ltd. Mineral Tenures October 2018;

Title Number	Claim Name	Issue Date	Good To Date	Area (ha)
510709		2005/APR/13	2021/NOV/05	594.72
510712		2005/APR/13	2021/NOV/05	181.625
510720		2005/APR/13	2021/NOV/05	297.324
510721		2005/APR/13	2021/NOV/05	198.397
510722	JOE REED 1-25	2005/APR/13	2021/NOV/05	413.21
510723	JOE REED 26-50	2005/APR/13	2021/NOV/05	413.189
531855	NEW JR 1-6	2006/APR/12	2021/NOV/05	99.139
552837	ZINC 1-7	2007/FEB/26	2021/NOV/05	115.7352
561802	MORE JR	2007/JUL/01	2021/NOV/05	396.4535
586219	FLANK 1	2008/JUN/11	2021/NOV/05	396.4501
1026212	STEALTH	2014/FEB/22	2021/NOV/05	247.6375

Figure 2. Haskins Reed 2019 Regional Tenure Map

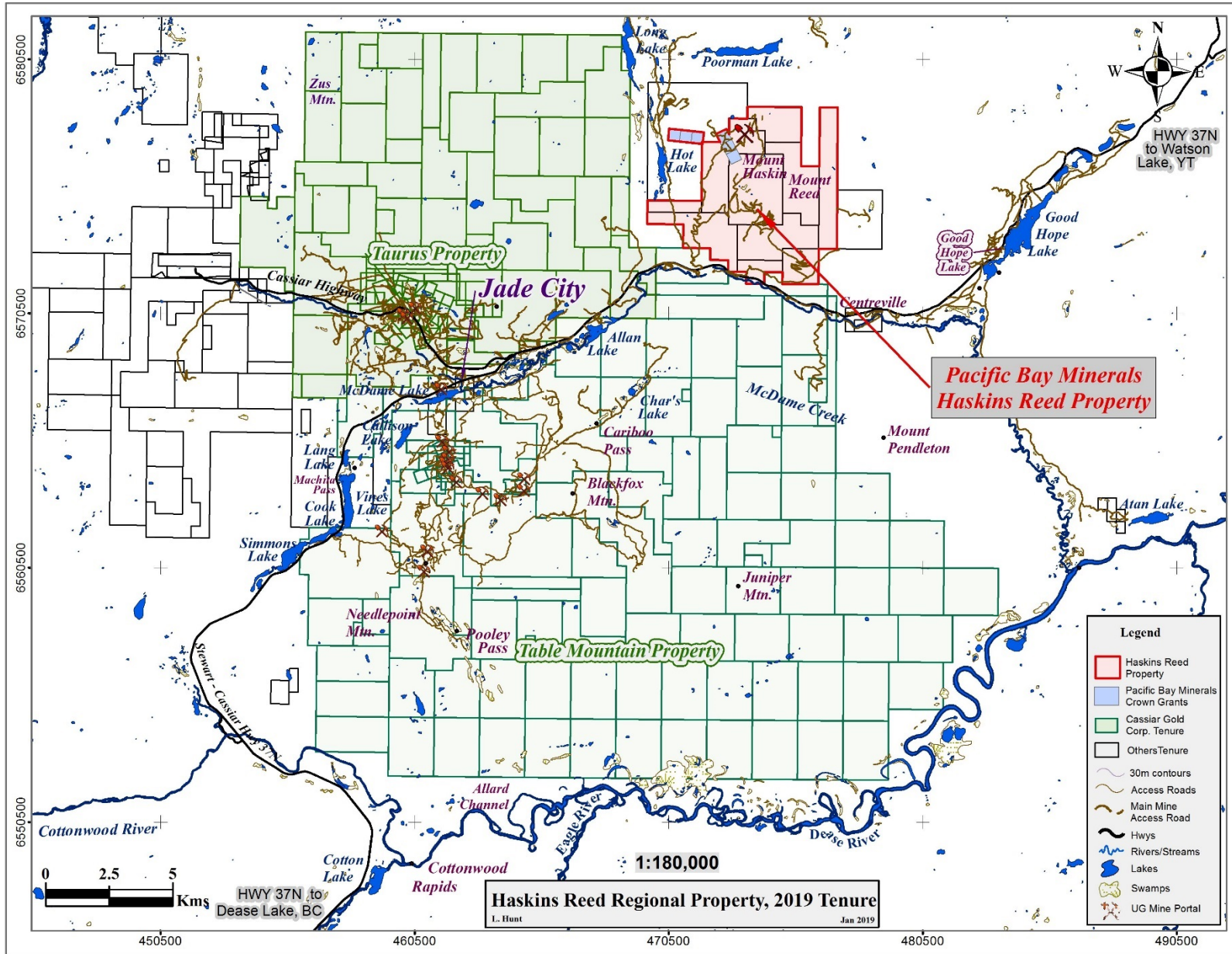
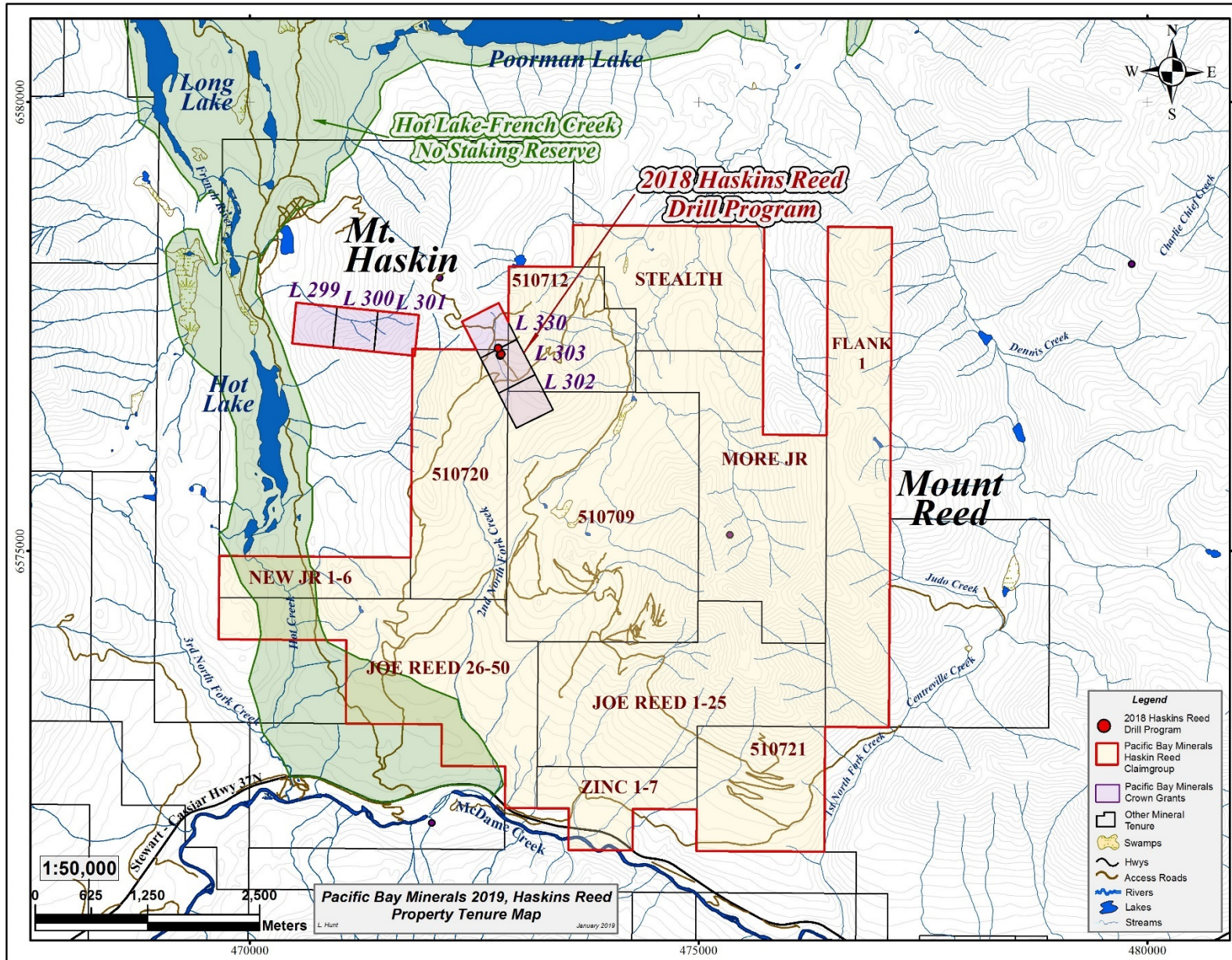


Figure 3. Haskins Reed Property Local Tenure Map



PROPERTY HISTORY

The following excerpt is taken from the “Report on the 2014 Diamond Drilling Program, Haskins Reed Property”, by Lesley Hunt, BSc Geol.

5.0 MT. HASKINS REED & AREA PROPERTY HISTORY

The majority of the following Property and area History discussion contained in this report has been sourced from the report titled “Technical Report on the Haskins - Reed Property, Cassiar District, Liard Mining Division, British Columbia”, dated August 8, 2008, authored by Thomas Carpenter, B.Sc., PGeo and William R. Gilmour, B.Sc., PGeo. This Technical Report is available on SEDAR.

In 1969, an aeromagnetic survey was flown for Brettland Mines Ltd. over an area that covered much of the same ground as does the present Property. A report by R. Crosby, P. Eng concluded that the survey “revealed magnetic features which are interpreted as indicating major faulting and possible skarn type mineralization” (Assessment Rpt No. 2228).

Demand Gold Ltd. in 1997 completed an extensive program of exploration in the Mount Haskins and Mount Reed areas. That company's work is detailed in AR 25253 and 25254 (available online from the BC MEMPR website) and included prospecting, geological mapping, ground magnetometer surveys and soil geochemical surveys.

The following are summaries of exploration specific to certain showings and prospects.

Mount Reed (Dome)

These showings are located at about 1,100 m elevation on the southwest side of Mount Reed. In 1969, the property was optioned from J. Reed by Glen Copper Mines Ltd (“Glen Copper”) and Brettland Mines Ltd.. Work in 1969 included geological mapping, silt and soil geochemistry, induced polarization and magnetometer surveys. The geochemistry highlighted areas of molybdenum and tungsten mineralization. In late 1969, Pacific Petroleum Ltd optioned a one-third interest in the property. In 1970, geological mapping, magnetometer survey, trenching and a 14-hole 1250 m drilling program was completed. All the options were dropped by 1971.

In 1971, Reed Mines Ltd (“Reed Mines”) optioned the property from J. Reed. The property was optioned from Reed Mines by Glen Copper and 4 holes totaling 375 m were drilled.

Canadian Superior Exploration Limited (“Canadian Superior”) optioned the property from J. Ashton and A. Macdonald in 1978, and drilled seven holes, totaling 570 m, to determine the extent of skarn mineralization (Harivel, 1978). In 1979, 4 holes totaling 406 m were drilled. In 1980, 867 m were drilled in 7 holes. A report by R. Lasmanis, P. Eng stated that all holes “encountered significant intercepts of tungsten /molybdenum mineralization (AR 8421). The 1981 drilling indicated that the skarn zones lack continuity (Watkins, 1981).

Joe Reed Vein

The first mineral discovery in the immediate area was made in 1937 by Joe Reed who discovered a Pb-Zn-Ag vein on the southwestern flank of Reed Mountain and staked the first claims in the area on what is now known as the Joe Reed Vein (Minfile 104P 021).

In 1955 the Consolidated Mining and Smelting Company (“Cominco”) optioned the property and, in 1956, drilled five diamond drill holes for a total of 457 m, testing the Joe Reed Vein to a depth of 60 m and over a strike length of 170 m.

In 1969, the soil geochemical surveys on the Mount Reed extended eastward to cover the area of the Joe Reed. In 1971, three holes totaling 153 metres were drilled by Glenn Copper.

B Zone (Della)

In 1965, United States Smelting, Refining & Mining Company discovered the “Main Zone” on Mount Haskins. This corresponds to the B Zone described in this Report.

In the early 1970s Della Mines Ltd. (“Della”) made an attempt to mine this deposit. The company drove two tracked drifts to intersect and crosscut three main zones. Adverse metal prices and changing political climate at the time forced the company to discontinue exploration and development. The claims were held by cash in lieu from the mid-1970s until 1993.

Brett Zone

These showings adjoin the Mount Reed molybdenum-tungsten prospect, and are zinc-rich skarns. In 1980, Canadian Superior encountered zinc-bearing skarns in drilling adjacent to a molybdenum-tungsten zone.

Brett Zone

These showings adjoin the Mount Reed molybdenum-tungsten prospect, and are zinc-rich skarns. In 1980, Canadian Superior encountered zinc-bearing skarns in drilling adjacent to a molybdenum-tungsten zone.

In 1997, Demand Gold carried out a program of reconnaissance prospecting, geological mapping, a magnetometer survey and a soil geochemical survey. Nine drill holes totaling 1,019 m were drilled to test magnetic highs thought to be related to zinc-lead-silver bearing skarns. In three of the holes, zinc zones were encountered.

Dako

This skarn outcrop showing is located on Tenure 510709. An old adit of unknown age and an old trench are shown by Hodgson (1977). In 1997, a magnetometer survey helped map the extent of the skarn and two holes were drilled by Demand Gold. No significant widths of skarn were intersected.

Placer Mining

Placer gold was first discovered in the McDame area in 1874. The town of Centerville was established during the ensuing gold rush from placer workings on McDame, Snow, Troutline, and Quartzrock Creeks. The district developed into one of British Columbia's major placer camps; most of its production occurred between 1874 and 1895. At that time and until the 1990's, it was the site of the largest nugget discovered in British Columbia, 73 ounces. It came from McDame Creek, just downstream from the Table Mountain Property. Smaller scale placer mining continues today. The total placer gold production from the area up to the early 2000's has been estimated at 108,000 ounces.

Lode Gold Mining

Although placer production in the district was significant, little was done prior to 1933 to locate lode gold deposits. In 1934, the first gold-bearing quartz veins were found in Quartzrock & Troutline Creeks and the first mineral claims were staked. A small exploration rush developed over the next few years as most of the near-surface, gold-bearing veins were discovered. The higher-grade portions of these veins were exploited by small-scale mining over the next forty years. At one point, half-a-dozen abandoned mill sites with capacities of less than 12 tons per day existed in the area.

The two largest gold operations in the area were the Cusac and Erickson mines known as the Table Mountain Mine located 5 km south east of the townsite of Jade City. Another gold mine, the Taurus Gold mine is located 4 km west of the abandoned townsite of Cassiar. Gold was first discovered in the area in 1934 and immediate staking of the Erickson and Taurus properties followed. Intermittent production of all three gold mines dates back to the sixties and continued with several mill expansions at the Table Mountain mine and new high-grade gold discoveries are recorded up until 1997. A more detailed description of the history of gold discovery, exploration and exploitation in the Cassiar vicinity can be found in the Update Of Technical Report on the Table Mountain Property, Liard Mining District, British Columbia, Prepared for Hawthorne Gold Corp., Prepared by Garth Kirkham, P.Geol., P.Geoph., W. Peter Stokes, P.Eng. and John Fox, P.Eng., Beacon Hill Consultants (1988) Ltd., dated June 1, 2008.

Cassiar Asbestos Deposit

In 1949, a GSC mapping crew first encountered the Cassiar asbestos deposit on McDame Mountain. A small 500 ton per day plant was built and in operation by 1952. The asbestos fibre produced was shipped from Whitehorse in the Yukon and all of the supplies for the mine were brought in along the Alaska Highway to Cassiar. Eventually, Highway 37N was constructed between Stewart and Cassiar, which gave access to supplies from Smithers or Terrace. Chrysotile fibre ore was trucked to Stewart with backhauls of diesel for power and heat. The chrysotile fibre was subsequently shipped from Stewart to markets around the world.

Between 1960 and 1992, Cassiar became the most notable infrastructure north of Stewart and west of Fort Nelson with the exception of Whitehorse. The town was sold off when government loan guarantees were not extended after the transition from open pit to underground operations and the mine was forced to close in February 1992.

REGIONAL GEOLOGY

The following excerpt is taken from the “Report on the 2014 Diamond Drilling Program, Haskins Reed Property”, by Lesley Hunt, BSc Geol.

“The property lies within the northern extension of the Omineca lithotectonic domain. Mounts Reed and Haskin are underlain by a northwest trending belt of Cambrian-Ordovician Kechika Group and Lower Cambrian Atan Group sediments (Rosella and Boya Formations) which have been intruded by Eocene granitic stocks of the Cassiar Batholith. The oldest rocks exposed in the region are thick bedded limestone and dolomite with olive green to grey phyllitic partings, belonging to the Espee Formation. In the valley east of Mount Haskin, the Espee Formation outcrops as two limestone bands separated by a forested section which probably masks the phyllitic interval. Exposed on Mount Haskin are the Boya quartzites, Rosella limestones and the Kechika siltstones. The siltstones have been hornfelsed pervasively. The rocks exposed on Mount Reed are the Boya quartzites and Rosella limestones which have been locally skarnified above the quartzite contact. The Rosella Creek Fault structure runs northwesterly on the eastern flank of Mount Reed”(Nelson, J.L., 1993).

There are two components of the regional geology of the area. The autochthonous Cassiar Platform rocks, and the later intrusive stocks belonging to the Cassiar Batholith (Figure 5).

Shallow dipping thrust faults which imbricate the sequence are likely early and related to easterly directed, syn-accretionary thrust development during Mesozoic emplacement of the Sylvester Allochthon onto the siliclastic strata of the Cassiar Platform Terrane (Nelson and Bradford, 1993).

The Cassiar Platform autochthonous rocks underlie the Sylvester Allochthon, and comprise rocks ranging in age from Hadrynian to Early Mississippian. The autochthonous rocks are seen as north northwest striking, steeply east dipping sequences of metasediments and sediments, ranging in width from 100m to 1,000m with a few mostly sinistral offsetting faults.

The Cassiar Batholith granitic and granodioritic rocks of Middle to Late Cretaceous age intrude the Cassiar Platform rocks. The Cassiar batholith is dominated by muscovite - biotite granite and biotite ± muscovite granodiorite along with subordinate biotite ± hornblende granodiorite, quartz monzodiorite, and quartz monzonite (Driver et al, 2000). Megacrystic feldspar is seen throughout the intrusive rocks as well as local clusters and disseminations of magnetite.

A major dextral Kechika fault system lies to the east of Midway – Cassiar area. It is related to the prominent crustal structure - the Tintina Fault - that accounts for the major displacement of the continental margin. The Selwyn basin was dissected by it and the western part (Cassiar Terrane) was moved 450 km north from its original position. The dextral displacement took place during the Cretaceous-Tertiary.

PROPERTY GEOLOGY

The following excerpt is taken from the “Report on the 2014 Diamond Drilling Program, Haskins Reed Property”, by Lesley Hunt, BSc Geol.

6.2 Property Geology, Mt. Reed Brett Zone

Approximately 75% of the property is covered by forest and scrub vegetation. Outcrop accounts for approximately 20% of the claimed area and occurs primarily in isolated exposures on hillsides, ridges and along road cuts.

6.2.1 Lithology:

Geological mapping has identified the primary lithologies underlying the claims area as a package of Atan Group sediments composed of interbedded quartzite with phyllite and limestone with dolostone. The bedrock geology on the present tenures 510709 and 510712, consists of northwest to northerly striking, moderately to steeply southwest dipping Atan Group sediments.

“The Lower Cambrian Rosella Formation consists of thin to thick bedded limestone with recessive slaty/muddy interbeds. The limestone is partly replaced by orange-weathered, coarse secondary dolomite. The Rosella limestone ranges from 200m to 700m thick and rests conformably on the Boya Formation.

The Boya Formation occurs as rubbly subcrop of a siliclastic sequence consisting predominantly of quartzite with interbedded slate and siltstone. The Boya Formation probably represents a shallow marine fan-top facies evidenced by crossbedding in sandstones found in float” (Nelson, J.L. 1993).

Within present Tenure 510709 a blind or “cryptic” granitic intrusion was located by drilling done between 1968- 1972. “This granitic intrusion is dated from early to middle Eocene and is composed of 3 facies; a coarse granite, a fine granite and an aplitic facies. The granite stock is a coarse grained quartz and alkali-feldspar megacrystic monzogranite. It contains 30% quartz, 1-3% biotite and equal portions of K-feldspar and plagioclase. Xenoliths of aplite, cut by quartz veins, are found within the main granitic stock and, coarse granitic dykes cut the aplite facies which indicates that the aplitic rocks were emplaced prior to granitic intrusion. It has been determined, through past study, that the mineralization within the claim block is mostly related to the aplitic intrusive stage.” (Nelson, J.L. 1993).

6.2.2 Structure:

“The general attitude of the stratigraphic sequences is to the northwest with moderate to steep dips to the southwest. The faults on the property follow two dominant trends. The first are northwest trending faults paralleling the stratigraphy and the long axis of the Mount Reed intrusion. Secondly, a series of faults trending northeast cut the northwesterly trending faults. The northeasterly trending faults are a controlling factor on the extent of skarn development and Ag-Pb-Zn bearing veins.” (Nelson, J.L. 1993).

Figure 4; Haskins Reed Property Regional Geology

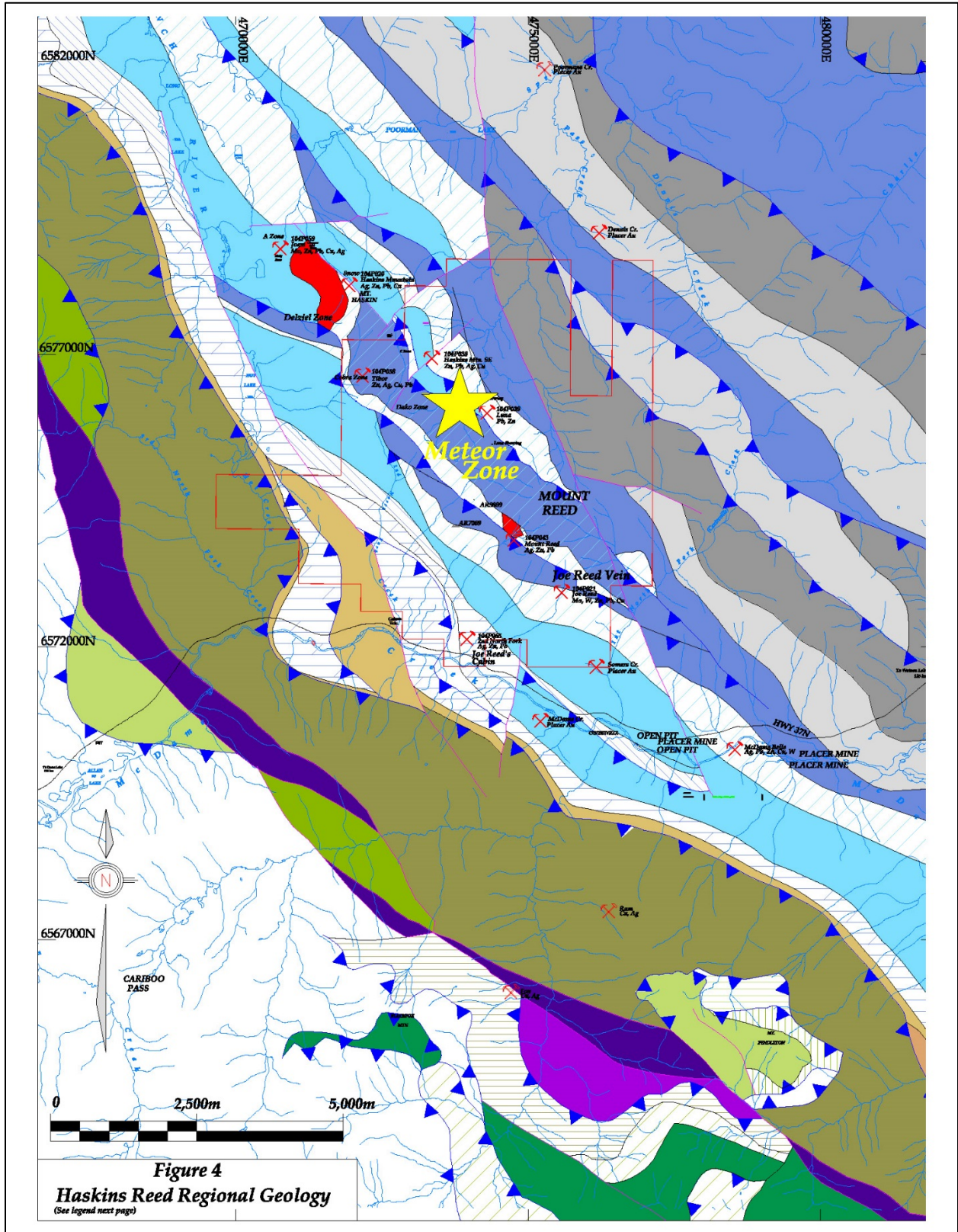


Figure 4a: Regional Geology Legend



2018 WORK PROGRAM

A total of 7 NQ diamond drill holes from three sets ups were drilled on the Mount Haskins-Reed Property to test the extension of Meteor-Boot Zone for a total of 448.2 meters of drilling (Appendix 1 and plan map and cross sections). The drill core is stored at the Hunt Exploration Camp at UTM Zone 9, 462887E and 6567294N. A total of 41 samples of core intervals, standards and blanks were assayed by ALS-Canada Ltd by method ME-ICP61, Au-AA23 and ore grade ME-OG62 for silver, lead and zinc at ore grade. The drill core was logged by Lesley Hunt who has over 30 years experience as a core logger in the Cassiar Region and 20+ years at Mount Haslins-Reed.

2018 Haskins Reed Drill Collar Data								
Hole ID	Az	Dip	Easting	Northing	Elev.(m)	TD (m)	Start	Stop
18MZ-01	26	-45	472792	6577178	1585	79.3	Sept. 15	Sept. 17
18MZ-02	26	-70	472792	6577178	1585	71.6	Sept. 17	Sept. 18
18MZ-03	206	-45	472792	6577178	1585	97.6	Sept. 18	Sept. 20
18MZ-04	26	-45	472800	6577192	1585	64	Sept. 21	Sept. 23
18MZ-05	26	-60	472800	6577192	1585	42.7	Sept. 23	Sept. 24
18MZ-06	20	-45	472768	6577260	1587	36.6	Sept. 25	Sept. 26
18MZ-07	0	-50	472768	6577260	1587	56.4	Sept. 26	Sept. 27

Table 2, 2018 Diamond drill holes

2018 Haskins Reed Meteor Zone Diamond Drill Composite Assays								
Drill Hole	From	To	Interval	Ag (gpt)	Pb (%)	Zn (%)	Cu (%)	Bi (%)
18MZ-01	32.30	33.50	1.20	40.10	0.459	1.795	0.038	0.022
18MZ-02	37.25	39.80	2.55	11.57	0.117	2.944	0.027	0.005
18MZ-03	6.50	11.70	5.20	35.83	0.683	6.204	0.206	0.011
18MZ-04	13.30	13.90	0.60	32.30	0.093	8.550	0.147	0.236
18MZ-04	19.80	23.20	3.40	45.91	2.690	2.195	0.113	0.007
18MZ-06	14.10	16.30	2.20	148.36	4.789	6.752	0.352	0.033
18MZ-06	22.90	24.20	1.30	76.40	1.495	2.140	0.123	0.017
18MZ-07	11.80	17.90	6.10	56.54	1.896	2.637	0.159	0.019
18MZ-07	21.80	22.60	0.80	157.00	1.190	4.320	0.725	0.040

Table 3, 2018 Composite Assay Results

These assays are shown on the cross sections of the drill holes (Figures 6 and 7).

Discussion and Description of Drill Holes

Drill hole 18MZ-01 was drilled to test the extension of the Meteor-Boot Zone and it intersected a package of limestone, dolomite and calc-silicate-limy skarn deeper down the hole. Lower down the hole there was an interval of galena-magnetite-pyrrhotite mineralized skarn which assayed from 32.3 meters to 33.5 meters 40.1 ppm Ag, 0.459% Pb, 1.775% Zn, 0.0378% Cu and 0.0216% Bi.

Drill hole 18MZ-02 was drilled underneath drill hole 18MZ-01 and it intersected a package of mostly calc-silicate skarn with an interval of pyrite-pyrrhotite-magnetite skarn which assayed from 37.25 meters to 39.8 meters 11.57 ppm Ag, 0.117% Pb, 2.944% Zn, 0.027% Cu and 0.0047% Bi.

Drill hole 18MZ-03 was drill 180 degrees to drill holes 18MZ-01 and 02 from the same set up and intersected calc-silicate skarn in the top of the hole and a package of faulted dolomite and limestone lower down. The interval of mineralized skarn at the top of the hole assayed from 6.5 to 11.7 meters 35.83 ppm Ag, 0.683% Pb, 6.2 %Zn, 0.2057% Cu and 0.0106%Bi.

Drill hole 18MZ-04 was drilled to test the extension to holes 18MZ-01 to 03 from a different set up and intersected a package of skarn and hornfels. Some of the mineralized intervals of skarn assayed from 13.3 meters to 13.9 meters 32.3 ppm Ag, 0.0927% Pb, 8.55% Zn, 0.147% Cu and 0.236% Bi and from 19.8 meters to 23.2 meters 45.9 ppm Ag, 2.69% Pb, 2.195% Zn, 0.1134 %Cu and 0.0074% Bi.

Drill hole 18MZ-05 was drilled underneath hole 18MZ-04 and did not intersect any significantly mineralized intervals of skarn.

Drill hole 18MZ-06 was drilled west of holes 18MZ-01 to 03 and intersected mineralized and un-mineralized skarn down the hole and cherty argillite at the top of the hole. Intervals of sphalerite magnetite skarn assayed from 14.1 meters to 16.3 meters 148.36 ppm Ag, 4.79% Pb, 6.75% Zn, 0.3515% Cu and 0.0328% Bi and from 22.9 meters to 24.2 meters 76.4 ppm Ag, 1.495% Pb, 2.14% Zn, 0.123% Cu and 0.0017%Bi.

Drill hole 18MZ-07 was drilled to test the extension of the mineralization intercepted in hole 18MZ-06 and it intersected a package of mineralized and un-mineralized skarn and hornfels. Faulted massive sulphide pyrite and pyrrhotite sections assayed from 11.8 meters to 17.8 meters 56.54 ppm Ag, 1.9% Pb, 2.64% Zn, 0.159%Cu and 0.019% Bi and from 21.8 meters to 22.6 meters 157 ppm Ag, 1.19% Pb, 4.32% Zn, 0.725% Cu and 0.0397%Bi.

Assay methods used in the assay of the 33 samples and 8 standard and blanks assays by ALS Canada Ltd in North Vancouver, British Columbia is as follows: The core samples were crushed so that 70% passed < 2mm and then pulverized so that 85% < 75 micron and then the pulp was digested in four acid solution and 33 elements were analyzed by ICP-AES. Ore grade Ag, Pb and Zn were analyzed by ICP-AES as well and gold was analyzed by Fire Assay of 30 grams of pulp and atomic absorption finish.

Assays of the internal standards and blanks inserted in the batch of drill core samples showed that the assays were consistently slightly high with precision. Assays of the blanks were not consistent possibly due to the nugget effect in the sample blanks.

CONCLUSIONS

More detailed drilling is need to test the full extent of the Meteor-Boot Zone of the Mount Haskins-Reed Property with possible assay of the drill core for germanium in addition to the 33 elements assayed.

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STATEMENT OF QUALIFICATIONS FOR DAVID BRIDGE, P.GEO

I, David Bridge, hereby certify that:

I am a geologist residing at 1580-132B Street, Surrey, British Columbia, Canada.

I am a graduate of the University of British Columbia with a Bachelors degree in Geological Engineering (1990) and a Masters in geological engineering in (1994).

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC number 24944).

Dated at Surrey, BC

January 28, 2019

Respectfully submitted

“David J. Bridge”

David J. Bridge, P. Geo, MASc

APPENDIX A:

Summary of Drill Core Assays

2018 Haskins Reed Drill Program

From	To	Sample	Hole	Ag ppm	Pb %	Zn %	Cu %	Bi %	
6.10	6.50	21901	18-01		2	0.0091	0.0901	0.0628	0.0002
22.25	23.00	21902	18-01	<0.5	0.0021	0.0046	0.0007	0.00002	
32.30	33.50	21903	18-01	40.1	0.459	1.795	0.0378	0.0216	
37.25	38.50	21904	18-02	10.5	0.0739	3.78	0.0394	0.006	
38.5	39.8	21905	18-02	12.6	0.159	2.14	0.0295	0.0059	
6.50	7.90	21906	18-03	95	2.36	9.46	0.538	0.0375	
7.9	9.2	21907	18-03	20.7	0.0661	4.77	0.338	0.0138	
9.20	10.00	21908	18-03	3.7	0.0611	0.251	0.0128	0.0013	
10.00	11.70	21909	18-03	13.8	0.0662	7.42	0.181	0.0027	
CDN ME-15		21910		41.4	0.418	0.264	0.0142	0.0002	
8.20	9.10	21911	18-04	<0.5	0.0049	0.0274	0.0013	0.00002	
13.30	13.90	21912	18-04	32.3	0.0927	8.55	0.147	0.236	
16.00	16.75	21913	18-04	12.5	0.0027	1.93	0.339	0.0203	
16.75	18.00	21914	18-04	6.9	0.0712	0.111	0.0073	0.0105	
Blank		21915		<0.5	0.0011	0.0074	0.0032	0.00002	
19.10	19.80	21916	18-04	<0.5	0.0019	0.0192	0.0039	0.00002	
19.80	20.70	21917	18-04	86.6	4.44	1.51	0.179	0.014	
20.70	21.90	21918	18-04	45.2	3.26	2.92	0.127	0.0068	
CDN ME-15		21919		36	0.406	0.249	0.0135	0.0003	
21.90	23.20	21920	18-04	18.4	0.951	2	0.0555	0.0033	
23.20	24.20	21921	18-04	<0.5	0.0177	0.0146	0.0015	0.00002	
11.15	12.30	21922	18-05	5	0.0829	0.168	0.0048	0.0008	
18.25	20.00	21923	18-05	15.1	0.108	0.556	0.0206	0.0173	
22.90	24.40	21924	18-05	<0.5	0.0023	0.0085	0.0017	0.00002	
33.00	34.00	21925	18-05	<0.5	0.0009	0.0043	0.0011	0.00002	
CDN ME-15		21926		37	0.42	0.254	0.0139	0.0002	
Blank		21927		2.8	0.0095	0.0939	0.0219	0.00002	
14.10	15.10	21928	18-06	210	6	9.13	0.501	0.0465	
15.10	16.30	21929	18-06	97	3.78	4.77	0.227	0.0214	
19.15	20.40	21930	18-06	12.1	0.136	0.938	0.029	0.0391	
CDN ME-15		21931		38.1	0.421	0.258	0.0142	0.0003	
22.90	24.20	21932	18-06	76.4	1.495	2.14	0.123	0.017	
11.80	13.00	21933	18-07	88.5	4.91	4.87	0.295	0.0159	
13.00	14.10	21934	18-07	83.9	3.73	5.54	0.205	0.0165	
14.10	14.60	21935	18-07	17	0.326	0.859	0.0429	0.0033	
14.60	16.00	21936	18-07	76.5	0.88	1.545	0.26	0.02	
Blank		21937		<0.5	0.0036	0.011	0.004	0.00002	
16.00	17.90	21938	18-07	16.2	0.091	0.818	0.0037	0.0258	
21.80	22.60	21939	18-07	157	1.19	4.32	0.725	0.0397	
37.10	38.00	21940	18-07	2.6	0.08	0.0318	0.0884	0.00002	
CDN ME-15		21941		38.6	0.426	0.257	0.0145	0.0005	

APPENDIX B:
Original Analytical Certificates
2018 Haskins Reed Drill Program



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WH18248957

Project: 2018 Haskins Reed Drilling Prg

This report is for 41 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-OCT-2018.

The following have access to data associated with this certificate:

DAVID BRIDGE

LESLEY HUNT

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS

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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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
21901		0.70	<0.005	2.0	5.57	67	90	1.7	2	16.85	4.2	40	37	628	5.48	10
21902		1.51	<0.005	<0.5	0.71	68	10	0.5	<2	23.2	<0.5	<1	5	7	2.03	<10
21903		2.46	0.005	40.1	0.56	7	40	1.4	216	16.85	97.3	22	5	378	5.01	<10
21904		2.71	0.008	10.5	0.18	5	10	<0.5	60	15.50	281	57	2	394	3.66	<10
21905		2.90	0.005	12.6	0.20	9	10	<0.5	59	15.95	190.5	41	2	295	2.94	<10
21906		3.19	0.095	>100	1.69	26	<10	0.9	375	11.55	474	167	8	5380	22.0	10
21907		2.65	0.044	20.7	4.10	64	<10	3.4	138	19.60	233	111	31	3380	12.70	10
21908		1.67	<0.005	3.7	8.68	42	400	7.1	13	13.90	12.0	12	57	128	5.29	20
21909		2.57	0.028	13.8	1.44	15	20	10.0	27	10.70	347	100	15	1810	11.45	10
21910		0.08	1.475	41.4	8.33	567	1350	1.9	2	0.31	32.3	6	19	142	5.95	20
21911		1.13	<0.005	<0.5	8.06	14	450	3.6	<2	9.96	1.1	6	63	13	2.73	30
21912		1.58	0.179	32.3	2.02	27	10	1.1	2360	17.05	496	112	17	1470	9.70	10
21913		1.38	0.053	12.5	1.32	9	80	0.5	203	20.8	123.5	23	9	3390	3.02	<10
21914		2.33	0.006	6.9	8.03	18	1360	2.8	105	7.85	6.0	12	65	73	3.14	30
21915		0.06	<0.005	<0.5	6.41	<5	640	0.8	<2	1.96	<0.5	10	58	32	3.31	10
21916		2.96	<0.005	<0.5	8.78	7	1810	2.4	<2	2.62	0.6	16	99	39	4.46	30
21917		1.49	<0.005	86.6	8.11	7	230	7.2	140	8.89	57.1	18	85	1790	7.37	30
21918		2.28	0.005	45.2	6.03	7	80	3.9	68	6.34	127.0	27	82	1270	15.20	40
21919		0.08	1.425	36.0	8.07	550	1320	1.9	3	0.29	30.9	7	18	135	5.71	20
21920		2.49	0.006	18.4	1.25	<5	30	2.4	33	19.10	87.0	11	11	555	11.45	<10
21921		1.84	<0.005	<0.5	0.34	<5	110	<0.5	<2	37.3	0.5	<1	4	15	0.53	<10
21922		2.11	0.006	5.0	4.38	6	30	2.0	8	23.8	6.8	6	27	48	3.78	10
21923		3.29	0.012	15.1	6.51	19	820	2.3	173	11.60	33.0	9	46	206	3.57	20
21924		2.71	<0.005	<0.5	7.91	6	1340	1.9	<2	1.54	<0.5	17	82	17	4.28	20
21925		2.05	0.008	<0.5	0.77	<5	840	<0.5	<2	36.6	<0.5	2	10	11	0.69	<10
21926		0.08	1.325	37.0	8.33	572	1360	1.9	2	0.31	31.7	4	19	139	5.90	20
21927		1.25	0.010	2.8	6.90	160	470	3.2	<2	2.80	6.6	18	143	219	4.28	20
21928		1.86	0.011	>100	0.31	38	10	1.0	465	2.01	399	139	6	5010	25.9	<10
21929		2.67	0.015	>100	0.72	<5	20	2.9	214	9.48	195.0	38	6	2270	14.10	<10
21930		2.75	0.020	12.1	0.27	5	10	0.5	391	17.55	65.1	9	3	290	1.98	<10
21931		0.08	1.450	38.1	8.39	570	1370	1.9	3	0.33	32.3	6	19	142	5.97	20
21932		2.19	0.008	76.4	5.84	32	620	2.5	170	10.30	103.5	25	45	1230	7.38	20
21933		2.66	0.014	88.5	0.56	102	40	0.9	159	7.15	201	62	6	2950	18.80	<10
21934		1.96	0.012	83.9	0.67	123	20	2.4	165	9.94	249	65	7	2050	16.95	<10
21935		0.63	0.007	17.0	2.15	309	20	2.0	33	22.7	35.0	8	15	429	5.74	10
21936		2.96	0.013	76.5	5.48	20	10	1.6	200	18.65	67.7	22	38	2600	10.45	20
21937		0.04	0.005	<0.5	7.34	<5	760	0.9	<2	2.07	<0.5	10	55	40	3.87	20
21938		4.02	0.070	16.2	1.26	5	20	0.5	258	18.75	31.0	7	4	37	7.76	10
21939		1.36	0.006	>100	5.77	20	360	4.0	397	10.80	207	83	45	7250	7.64	20
21940		1.60	0.006	2.6	5.47	24	430	1.0	<2	11.40	1.2	172	40	884	11.45	20



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
21901		1.31	50	6.79	3790	3	0.06	70	6110	91	2.36	21	9	111	20	0.27
21902		0.10	10	10.45	8110	<1	<0.01	2	130	21	0.52	6	1	95	<20	0.03
21903		0.22	10	6.45	12300	11	0.02	16	50	4590	3.10	8	3	103	<20	0.03
21904		0.10	<10	11.10	4220	1	0.01	16	30	739	4.09	6	<1	5	<20	0.01
21905		0.17	<10	11.65	3190	2	0.01	22	20	1590	2.76	7	1	6	<20	0.01
21906		0.02	<10	0.52	7160	<1	<0.01	93	170	>10000	>10.0	<5	1	8	<20	0.04
21907		0.05	20	1.44	10750	<1	0.01	42	660	661	5.37	18	7	25	<20	0.20
21908		3.30	50	1.43	9080	1	0.06	23	510	611	0.41	15	15	138	<20	0.35
21909		0.10	10	2.62	19300	<1	0.01	32	390	662	9.14	15	3	115	<20	0.07
21910		3.68	30	0.30	1080	6	0.08	8	1860	4180	0.67	72	15	403	<20	0.47
21911		3.39	30	2.73	1680	1	0.22	33	520	49	0.07	<5	12	205	<20	0.45
21912		0.11	20	3.93	7600	4	0.01	94	220	927	7.70	9	4	53	<20	0.10
21913		0.71	10	9.93	1910	2	0.02	15	120	27	2.45	5	2	134	<20	0.06
21914		3.87	50	1.96	4600	17	0.09	39	410	712	0.86	<5	13	89	<20	0.39
21915		1.07	10	0.95	614	4	2.34	35	640	11	0.05	<5	13	286	<20	0.32
21916		4.68	30	1.20	4580	1	0.09	52	380	19	0.43	5	14	97	<20	0.55
21917		2.01	60	1.35	23700	1	0.01	46	680	>10000	3.09	18	15	259	20	0.66
21918		1.62	40	0.83	14000	1	0.01	50	700	>10000	>10.0	24	11	202	<20	0.60
21919		3.66	30	0.29	1050	6	0.08	8	1820	4060	0.65	68	15	397	<20	0.46
21920		0.12	10	1.25	28500	1	0.02	8	160	10000	5.33	11	2	213	<20	0.08
21921		0.13	<10	0.64	1350	2	<0.01	2	150	177	0.28	<5	1	559	<20	0.02
21922		0.37	30	2.64	8080	1	0.03	18	400	829	0.27	15	7	246	<20	0.20
21923		2.95	40	3.78	7570	13	0.05	45	720	1080	1.65	8	10	116	<20	0.32
21924		3.42	60	1.21	1840	<1	0.07	44	420	23	0.45	<5	12	64	20	0.53
21925		0.29	10	0.47	344	7	0.01	27	780	9	0.49	<5	2	508	<20	0.03
21926		3.73	30	0.29	1070	5	0.08	7	1860	4200	0.67	69	15	405	<20	0.48
21927		3.01	40	1.08	223	263	0.07	383	7950	95	2.89	21	12	173	<20	0.35
21928		0.02	<10	0.59	24700	1	<0.01	5	360	>10000	>10.0	16	1	16	<20	0.02
21929		0.05	10	1.64	52300	1	0.02	7	330	>10000	7.55	12	1	59	<20	0.03
21930		0.04	<10	10.90	4060	6	0.02	7	20	1360	0.89	5	1	16	<20	0.02
21931		3.76	30	0.31	1090	5	0.08	8	1860	4210	0.68	72	16	405	<20	0.47
21932		2.92	30	1.59	12050	2	0.10	46	630	>10000	4.07	8	9	187	<20	0.27
21933		0.07	10	1.74	25500	1	0.01	5	590	>10000	>10.0	26	1	45	<20	0.03
21934		0.02	10	1.43	40700	<1	<0.01	5	360	>10000	>10.0	26	1	65	<20	0.03
21935		0.11	20	1.37	20700	1	0.01	5	350	3260	3.66	40	4	134	<20	0.09
21936		0.23	30	0.92	15450	8	0.01	25	470	8800	2.22	7	9	91	<20	0.23
21937		1.29	10	1.08	762	4	2.44	31	710	36	0.05	<5	15	305	<20	0.36
21938		0.11	<10	6.17	11650	109	0.02	21	20	910	0.63	8	2	23	<20	0.03
21939		1.96	40	1.59	22100	8	0.03	61	1020	>10000	5.81	5	9	153	<20	0.32
21940		2.48	30	3.56	2200	5	0.38	249	390	80	3.60	<5	9	217	<20	0.22



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CERTIFICATE OF ANALYSIS WH18248957

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Pb-OG62	Zn-OG62
		Tl	U	V	W	Zn	Ag	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	%	%
		10	10	1	10	2	1	0.001	0.001
21901		<10	<10	59	10	901			
21902		<10	<10	7	<10	46			
21903		<10	<10	8	<10	>10000			1.795
21904		<10	<10	2	10	>10000			3.78
21905		<10	<10	3	<10	>10000			2.14
21906		10	<10	8	230	>10000	95	2.36	9.46
21907		<10	<10	31	80	>10000			4.77
21908		10	<10	61	30	2510			
21909		10	<10	13	50	>10000			7.42
21910		<10	<10	153	<10	2640			
21911		<10	<10	75	<10	274			
21912		<10	<10	14	30	>10000			8.55
21913		<10	<10	11	<10	>10000			1.930
21914		<10	<10	65	<10	1110			
21915		<10	<10	98	<10	74			
21916		<10	<10	82	<10	192			
21917		10	<10	86	<10	>10000		4.44	1.510
21918		10	<10	71	10	>10000		3.26	2.92
21919		<10	<10	150	<10	2490			
21920		10	<10	14	20	>10000		0.951	2.00
21921		<10	<10	8	<10	146			
21922		<10	<10	34	<10	1680			
21923		10	<10	53	<10	5560			
21924		<10	<10	68	<10	85			
21925		<10	<10	35	<10	43			
21926		<10	<10	154	<10	2540			
21927		<10	40	2530	<10	939			
21928		10	<10	7	10	>10000	210	6.00	9.13
21929		10	<10	9	30	>10000	97	3.78	4.77
21930		<10	<10	5	<10	9380			
21931		<10	<10	155	<10	2580			
21932		10	<10	128	10	>10000		1.495	2.14
21933		10	<10	7	20	>10000		4.91	4.87
21934		10	<10	7	20	>10000		3.73	5.54
21935		<10	<10	14	10	8590			
21936		<10	<10	38	50	>10000			1.545
21937		<10	<10	114	<10	110			
21938		<10	<10	10	1100	8180			
21939		10	<10	138	20	>10000	157	1.190	4.32
21940		<10	<10	43	10	318			



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Sample Description	Method	Analyte	Units	LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61			
					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
					0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
21941					0.07	1.430	38.6	8.55	579	1390	1.9	5	0.31	32.5	6	19	145	6.11	20

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



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CERTIFICATE OF ANALYSIS	WH18248957
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Sample Description	Method	Analyte	Units	LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61				
					K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	
					%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
					0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	
21941					3.94	30	0.30	1080	6	0.08	9	1920	4260	0.68	66	16	417	<20	0.48	

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



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CERTIFICATE OF ANALYSIS	WH18248957
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Sample Description	Method Analyte Units LOD	ME-ICP61 TI ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
21941		10	<10	157	<10	2570			



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CERTIFICATE OF ANALYSIS WH18248957

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-22	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA23	ME-ICP61	ME-OG62
	Pb-OG62	Zn-OG62		

APPENDIX C:
2018 Haskins Reed Diamond Drill Program
Drill Logs
18MZ-01 to 18MZ-07

Pacific Bay Minerals			2018 Mt Haskins Meteor-Boot Zone						DDH No. : 18MZ-01				Pg 1 of 1					
Collar Details:		Note: GPS only, non surveyed		Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones						Started: September 17, 2018				Finished: September 18, 2018				
Easting		472792		UTM NAD 83 Z09						Logged By: Lesley Hunt & Tyler Vig				EZShot Tests: Depth (m) Az Dip				
Northing		6577178		UTM NAD 83 Z09						N/A								
Elevation		1,585.0		m ASL														
End of Hole		79.3		m														
Azimuth		026																
Dip		-45.0																
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling					
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)	
0.00	3.00	OB																
3.00	6.10	LMST				Altered, locally chaotic intense fracturing, hairline, average mod. Fract., local quartz carbonate filled fracs., mm scale, no pdo. Local blebs of robin egg blue, mod. Soft mineral, - talc? Loc sericite in blebs. Min: mostly fract. Controlled, local blebs to 5mm, py, fn.gr. local pale green cherty zones, irreg. up to 4cm	0.1											
6.10	6.60	LMST				Mottled grey green, chaotic fol., mod fract., local Talc? alt., quartz carbonate vnlt, mm scale throughout, no pdo. Py in blebs and vnlt form to 2mm. Mag in disseminated anhedral crystals <mm scale, locally pervasive	0.8						6.10	6.50	21901	0.40		
6.60	8.30	LMST				Altered, as above, potable black anhedral coating on fracts, Mn? Pyrolusite?, non magnetic, non metallic, local blebs sericite to 1cm.												
8.30	11.90	DOL				Altered, Prevalent Skarn Texture, Dk. Grey, mottled green/greys, quartz carbonate vnlt <1%, mm scale, two pdos, @ 45° & 15°, local 20 - 30 cm zones of mottled blackish/greens / beiges with quartz carbonate blebs., Po & Py in blebs to 5mm throughout												
11.90	15.00	DOL				Dk. Grey, vfngr, numerous quartz carbonate structures and vnlt, mm scale at 60° & parallel tca Minor py on fractures, 14.8 - 14.85 mod fit												
15.00	16.80	DOL	QSTKW			Dk. Grey, vfngr, 7% quartz carbonate structures, local vugs in quartz carbonate to 0.75cm drusy CaCO3, py is fn gr in Dolomite fracts and moderate muddy pervasive, late mm scale quartz carbonate vnlt @ low angles tca.												
16.80	19.40	DOL	FOL			Med. Grey, fngr, intensely finely foliated @ 60°tca, numerous rusty late quartz carbonate vnlt with fngr py @ low angles tca, 1-3mm local quartz carbonate breccias w pdo 70°, few "micro-thrust" faults in low angle quartz carbonate vnlt, non mag. Dol.												
19.40	19.90	FLT				Local gougey, m broken core, local iFe alteration gouge, quartz carbonate vnlt with graphitic slicks on cntcs.												
19.90	20.50	DOL	FOL			as above												
20.50	26.00	DOL	QSTKW			Med. Grey, with 20% mostly grey quartz and few white quartz carbonate later sub parallel vnlt and stkwk with local Bx to 2cm Py is fngr in blebs and quartz carbonate structure margins	0.5						22.25	23.00	21902	0.75		
26.00	26.50	QV				Altered, crystalline, light to med. Grey, mottled texture, relatively soft, No effervescence, UC @ 75° tca, LC @ 40° tca, tr py	Tr											
26.50	28.20	DOL				as above												
28.20	28.45	SK	UnMin.			Dk. Brown/green mottled Skarn texture, py throughout disseminated and fracture controlled, Tr Cpy, Tr Galena	3.0		Tr				Tr					
28.45	32.30	DOL	SK			Dk. Grey mottled dolomite hosts irregular zones of pale pistachio green skarn. Dol is mod. fractured with mod. Pdo 25°tca, fracs are mm scale. Sx are mostly disseminated but also seen in irregular clots to 3mm, Tr Py in fracts as well	0.3	4.0	1.0	4.0			1.0					
32.30	34.00	SK	MIN			Brownish to greenish mottled skarn texture quite prevalent, quartz carbonate stkwk localized avg 2mm irregular black blebs of mag/po to 1.5%, Tr cpy ass. With py blebs, Gal in blebs isolated	0.8	0.5	Tr				0.3	32.30	33.50	21903	1.20	
34.00	35.10	SK	UnMin.			Contact Zone, Pale green grey, iK pervasive, ifrac hosting quartz carbonate, mm scale. Diss py some on margins of quartz carbonate structures, contacts of quartz carbonate structs are gougey	Tr											
35.10	39.90	H				Dk. Red/brown to dk grey, fn gr, ifol @ 45° tca with mag/po throughout gmd. Mass and vnlt. fngr py with po. Local more massive texture, lower 0.5m pale grey green contact zone, Py throughout	1.0											
39.90	44.30	LMST				Altered, chaotic mottled ghostly altered patches, quartz carbonate vnlt irreg. mm scale, few 2mm sub parallel quartz carbonate structs, drusy crystals of qtz/calcite and fibrous mineral - Talc? Effervesces v. slightly, pale green.												
44.30	52.30	H	INTBD			Black hornfels and altered Hornfels. Preferential alteration of H units to pale grey moderately fractured. 60/40 Alt H to NonAlt. H, Bedding / Fol @ 35° tca, py & po throughout and in fracts., moderate fracts to 3mm	5.0	7.0										
52.30	79.30	SK	CS/LIM	01	66.8	CalcSilicate / Limy Skarn 53.3 - 53.35 FLT gouge with Sx, py, po, gal Pale green blotchy med. grain. Limy Skarn with altered Garnets @ various Stages of dissolution.. Mostly Po, locally in clusters and fracture controlled. 56.3 - 64.2, Dk. Green and dk. Grey mottled iSi local irreg. alteration halos with diss. fngr py & po concentrated at the center with discreet alt. contacts to pale green outer halos, often with maroon alt. envelope. Limy sk beds 20%, ragged alteration contacts with CS Skarn, local Pdo well developed at 30° tca.	Tr	0.3										
EOH 79.3 m																		

Pacific Bay Minerals		2018 Mt Haskins Meteor-Boot Zone					DDH No. : 18MZ-02				Pg 1 of 1							
Collar Details: Note: GPS only, non surveyed		Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones									Started: September 17, 2018							
Easting 472792		UTM NAD 83 Z09									Finished: September 18, 2018							
Northing 6577178		UTM NAD 83 Z09									Logged By: Lesley Hunt & Tyler Vig							
Elevation 1,585.0		m ASL									EZShot Tests: Depth (m) Az Dip							
End of Hole 79.3		m									N/A							
Azimuth 026																		
Dip -70.0																		
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling					
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)	
0.00	3.00	OB				Overburden												
3.00	7.50	SK	UnMin. BX			Limy Skarn: Pale green limy skarn. Mottled, bx texture. Moderately silicified, localized altered skarn veins, limy skarn vnlt, salmon coloured alt garnets. Rare disseminated sulphides: patchy Chalcopyrite, sphalerite, pyrite. Weak Fault @ 7.05-7.25 Rubble and broken core. Gouge on fractures.	Tr		Tr	Tr								
7.50	35.05	DOL	BX			Dolomite: Med-dark grey, Fngr mod frac. Loc icbx. 2 sets Quartz/carb vnlt mm scale throughout. 11 and 45° tca. Loc muddy Py patches. Dol grades to dark grey. 18.3-21.0 relatively no quartz carbonate struc.. Weak fol @ 40° tca. 21.0-21.5 quartz carbonate struc Py in vnlt, local vugs 21.5-32.8 Pale med-grained ifol avg 70° tca. Numerous quartz carbonate vnlt, stockwork. local sericite in qtz vnlt. Local bx with w angular dol fragments. Py and Sph in quartz carbonate vnlt. 32.8-35.05 Notable lack of fol. Obvious bx.	Tr			Tr								
35.05	36.00	SK	UnMin.			Skarn: Cream coloured, soft, clay rich skarn. Dendritic textured mm scale black flecks. Non-mag. Pyrolusite? MnO?												
36.00	37.25	DOL				Dolomite: Med grey, ifrac dolomite. Local skarn alterations. Disseminated Po in the skarn alteration zones.		1										
37.25	39.85	SK	Min.			Skarn: Pale green-cream coloured massive skarn. Local alteration patches 37.3-37.7 SMS. Py, Po, Mag 37.7-39.4 Local patches of the dendritic MnO Pyrolusite? Local slicks and green talc on fractures at 27° tca. 39.4-39.5 SMS as before.	14	14		14	0		37.25 38.50	38.50 39.80	21904 21905	1.25 1.30		
39.85	40.75	SK	UnMin.			Skarn: Altered Lmst, salmon coloured CS skarn. Mod fol, mineralogy obliterated. Few white/grey quartz carbonate vnlt. <2mm green talc vnlt												
40.75	43.15	SK	UnMin.			Skarn: CS skarn Mod PTO on Limy SK vnlt. Skarnified Hornfels. Pale Lavender SK vnlt throughout PDO 45° avg. Local Py med grain in vnlt (few)												
43.15	50.30	DOL				Dolomite: Med grey dol with local chaotic quartz carbonate vnlt. Ghosty bx fragments. 45.6-46.2 i quartz carbonate bx & vnlt. Local white clay clots. 46.2-47.9 Med grey dol as above. 47.9- 50.3 i quartz carbonate bx & vnlt local white clay clots.												
50.30	51.30	H	BX			Hornfels: Mineralized dark grey/black Hornfels. Bx Relict Soft sediment deformation structures? Muddy pyrite, Loc med grain Py vnlt m-i Magnetic. Disseminated Mag in bands	10			1								
51.30	60.00	SK	UnMin.			Skarn: Pale maroon and light green CS Skarn. Locally alternating with brown black H. m-i fol @ 25° tca incipiently altered garnetiferous vnlt.												
60.00	61.00	FLT				Fault: UC discrete @ 25° tca i gouge and i broken core.												
61.00	71.60	SK	UnMin.			Skarn: CS Skarn as above. Local Po in patches up to 4cm Med grained. +/- fracture controlled Cpy		Tr	Tr									
EOH 71.6m																		

Pacific Bay Minerals						2018 Mt Haskins Meteor-Boot Zone						DDH No. : 18MZ-03						Pg 1 of 1									
Collar Details: Note: GPS only, non surveyed						Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones												Started:		September 18, 2018							
Easting						472792												Finished:		September 20, 2018							
Northing						6577178												Logged By:				Lesley Hunt & Tyler Vig					
Elevation						1,585.0												EZShot Tests:				Depth (m)		Az		Dip	
End of Hole						97.6												N/A									
Azimuth						206.0																					
Dip						-45.0																					
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling														
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)										
0.00	3.00	OB				Overburden																					
3.00	9.20	SK	Min. BX			Skarn: 3.0-4.6, pale chaotically Brecciated. Loc pale green and salmon coloured (old garnets) loc i magnetic 4.6-6.5 Skarn as above, few q/c structures. Locally banded with limy skarn 6.5-7.9 i min skarn more chaotic structures local i sulphides as noted 7.9-9.2 Pale buff Vfg, less min, less chaotic.	40	10	1	0.5					6.5	7.9	21906	1.4									
							10	5	1	25					7.9	9.2	21907	1.3									
9.20	10.00	SK	BX			Skarn: Unmineralized pale chaotic BX Skarn								9.20	10.00	21908	0.80										
10.00	10.70	SK	Min.			Skarn: Mineralized alternating brown/black foliated skarn: fol, i min, UC indiscreet. Min is 60% unit, loc i fol @ 20 TCA	10		5	50				10.00	11.70	21909	1.70										
10.70	10.90	FLT	FLT			Fault: i rubble																					
10.90	11.70	SK	UnMin.			Skarn: As above, loc i fol @ 20 TCA LC, is q/c vnl, irregular no pdo no min.																					
11.70	12.70	LMST				Limestone: It, bulby, Vfgr, soft, lc is i k gouge 20cm																					
12.70	22.90	DOL				Dolomite: Med-grey to dark-grey. Grades to i fol @ 25 TCA. I frac with FeO, & unmin q/c structures, numerous irreg vugs. 17.6-20.1 minor q/c vnl up to 3mm. No min. fol less apparent. 20.1-22.9 Foliated dark-grey dol as before, occasional q/c vnl parallel TCA																					
22.90	28.40	DOL	BX			Dolomite: Interbedded med-grey/black Dol. 1-30mm layers. Fol 25-30 TCA. M-i bx. q/c vnl in bx. Mm scale. 1-10mm vugs with druzi qtz 26.2-28.4 i BX. Muddy appearance. FeO throughout. No magnetic response.																					
28.40	31.30	DOL				Dolomite: fol dark-grey dol. Similar to 12.7-22.9 dol unit. Fol is 25 TCA. Vugs 2-15mm 29.3-29.6 graphite & Py in stylolites <1mm sparsely distributed. q/c vnls throughout, 1-3mm. Two sets: 5 & 45 TCA	1																				
31.30	38.10	FLTZ	FLT			Faultzone: Dol as above throughout. 50% mod-i broken core. Local i K gouge. Numerous q/c structures. No mag response Local BX, pyrite replacing fragments in areas. Mod vug, irregular.																					
38.10	74.35	DOL	BX			Dolomite: Med-grey dolomite. 39.6-42.3 i gouge, i vug. Numerous q/c structures i BX. 42.3-48.2 m broke core, few q/c structures, local BX, local i K gouge. 48.2 - 73.1 Local fol develops @ 50 TCA, 60.5 Labelled as fault on the box by drillers. Likely not a fault, Local FeO on fractures, local frac controlled Py 73.1-73.3 i BX dol. UC @ 35 TCA, LC ground by drillers. Fg carbonate matrix hosting angular dol fragments, vuggy with druzi qtz. FeO throughout.																					
74.35	77.00	FLTZ	FLT			Faultzone: 75% recovery, i BX dolomite. 74.35-74.85 angular dol fragments sit in FeO gougy clay. Matrix/Clay ratio = 50/50 74.85-77 Dol, local m-i broken core. Few hairline q/c vnls. Vuggy.																					
77.00	97.60	DOL	FLT			Dolomite: i frac, Fe stained, competent dolomite. Dominant Sub parallel frac & q/c vnl throughout. Vuggy 80.1-93.1 Dol FLTZ as above. Mod-locally intense broken core. 93.1-97.6 Med-grey Dol. Wavy, chaotic banding of light-grey/dark-grey dol. Loc q/c structures. Local Py on frac. Mod magnetic response.																					

EOH 97.6m

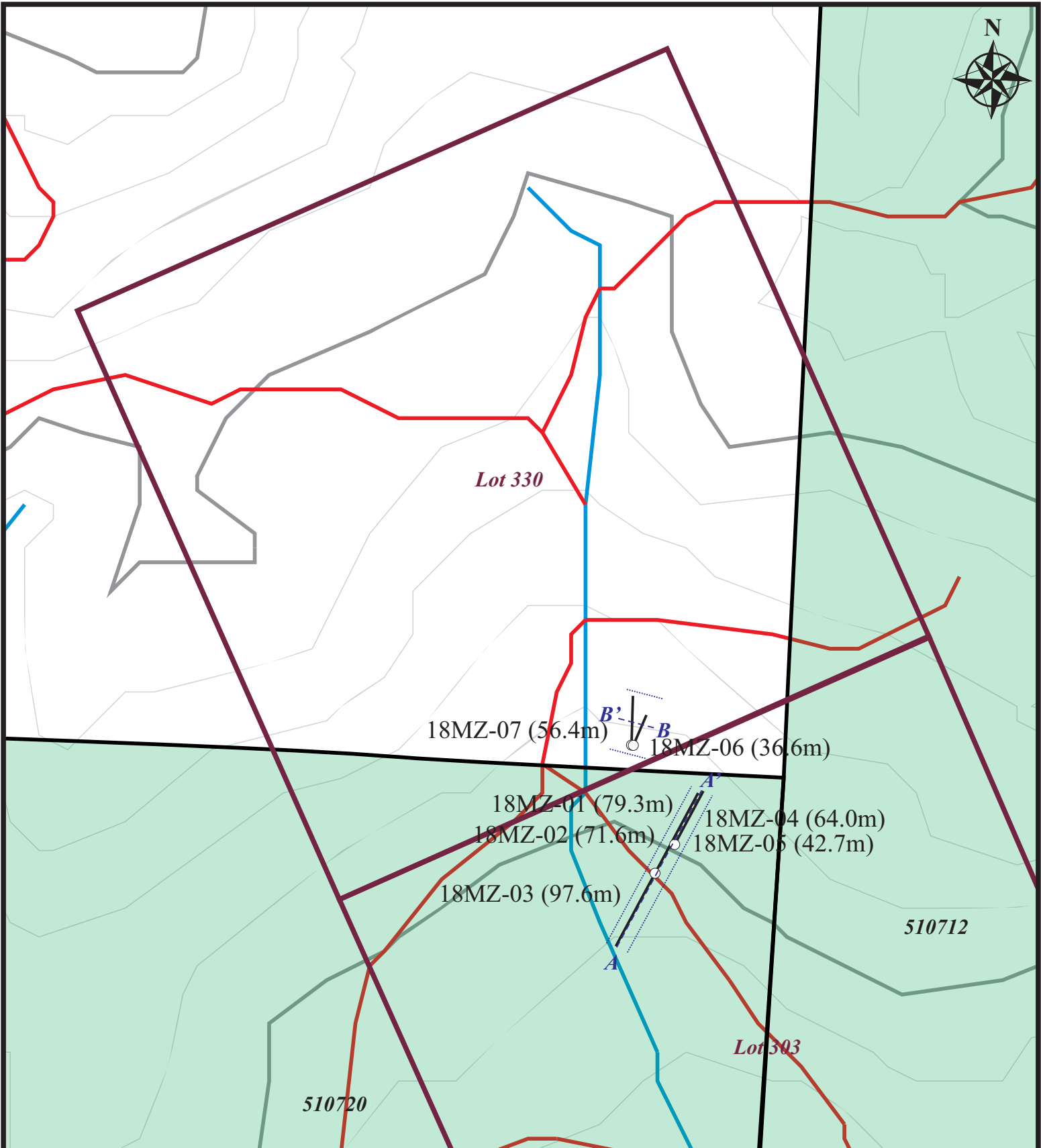
Pacific Bay Minerals						2018 Mt Haskins Meteor-Boot Zone						DDH No. : 18MZ-04				Page 1 of 1			
Collar Details:		Note: GPS only, non surveyed				Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones						Started: September 21, 2018							
Easting		472800				UTM NAD 83 Z09						Finished: September 23, 2018							
Northing		6577192				UTM NAD 83 Z09						Logged By: Lesley Hunt & Tyler Vig							
Elevation		1,585.0				m ASL						EZShot Tests: Depth (m) Az Dip							
End of Hole		64.0				m						N/A							
Azimuth		026																	
Dip		-45.0																	
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling						
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)		
0.00	2.70	OB				Overburden													
2.70	3.40	SK				Pale green skarnified Dol., vfrg, intensely fractured, iSi, local mottled orange patches, no effervescence.													
3.40	8.20	LMST				Med. Grey, local mod. Fracs with l quartz carbonate structures, irreg. small altered zones with mod mineralization incl. cpy, and a very black, non mag. (not biotite)								Std. ME-15		21910			
8.20	9.10	FLT				Limestone, m-l broken core, local sk zones, noted sph. to 3mm, LC perpendicular tca, UC indiscreet	0.3			0.5				8.20	9.10	21911	0.90		
9.10	10.60	DOL				Altered, mod fol with mod. quartz carbonate structures. @ 10.1m a 2cm quartz carbonate vnt. With mod quartz carbonate flooding, py is fng. In tension gashes													
10.60	13.30	H				Chaotic, mottled green & brown patches, local quartz carbonate struct. With fng. Tr py, rare vugs to 1mm, local bleached SK to 5cm, No min noted													
13.30	13.90	SK	MIN			Creamy green / salmon pink colored skarn, iHem. @ UC - 25° tca, mineralization 35% overall. Min. is blotchy to locally massive patches	10.0		5.0	10.0	10.0			13.30	13.90	21912	0.90		
13.90	16.00	SK				Pale green/salmon pink colored with local brown pink indscrpt skarn rock within chaotic, ifrac rehealed with quartz carbonate, no min noted													
16.00	16.75	SK	MIN			Light grey-green, mod fol @ 75° tca, numerous irregular muddy py (+/- mag) in blebs elongated within fol.-some local irreg. patches, discreet UC & LC @ 60° tca, few quartz carbonate struct. @ low angles tca, UC zone of semi massive Sx, irregular distributed in patches and finely disseminated.	5.0		3.0	3.0	5.0			16.00	16.75	21913	0.75		
16.75	18.00	SK	Min.			Pale grey/green, relatively massive with less fol. & gracts than above, low angle quartz carbonate struct to 0.5cm, increased min. mag & py, local limy SK to 1cm, local splashy cpy min	7.0		1.0		7.0			16.75	18.00	21914	1.25		
18.00	19.10	H				relatively massive, UC irreg. gradational contact with py/po bands to 3mm, po disseminated throughout													
19.10	19.80	H				Altered, buff /dk brown locally chaotic alteration patches. Mod to local ifrac, local iK gouge, Tr sph noted, + sph? in frac, vfng								19.10	19.80	21916	0.80		
19.80	22.60	SK	Min.			Relatively soft, mottled army green/black, weakly to locally moderate white clots, soft -K? Talc? and fracture filling carb., local foliation developed at 50° tca, Sx are seen in large irreg. patches to 40cm.								19.8	20.7	21917	0.9		
														20.7	21.9	21918	1.2		
22.60	23.20	SK	SMS			Sph/Mag Skarn, 20cm band @ FW of unit with 30% Po, 10% Sph, 3% Py, 1% Cpy, Irregular patches, banding is local.								21.90	23.20	21920	1.30		
23.20	27.20	LMST				Med grey chaotic foliated with ghostly patches (differentail alteration)of CaCO3, No Min noted								23.20	24.20	21921	1.00		
27.20	64.00	H			02	30.4	Dk. Grey to Black, vfng with irregular Limy Sk beds with remnant garnets (orange) +/- Mag patches - 2% of unit, Few SK beds with Po min to 20%. . Skarn alteration "beds" avg. 1.5cm avg pdo 40° tca, Local skarnified vnits some show offsets, See pic of downhole normal Flt, right lateral, few 15cm wflts, mbroken core, few with py in gouge, Few skarnified foliated 10cm zones with preserved bedding, avg <1mm, py on fracts. 39.1 - 64.0m classic Calc silicate alt. H, pale grey green adn marron with dk. brown/maroon alt. zones. py on fracts, irreg. Limy skarn alt. bds to 10cm, 405 isolated pl blebs throughout. Avg. fol. 45°, tnsion gashes & vugs noted. NOTE: Box 16 contained 0.2m core. This core was disposed of. Box 16 is EOH.												
						EOH 64.0 m													

Pacific Bay Minerals						2018 Mt Haskins Meteor-Boot Zone						DDH No. : 18MZ-05				Pg 1 of 1					
Collar Details:		Note: GPS only, non surveyed		Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones										Started:		September 23, 2018					
Easting		472800		UTM NAD 83 Z09										Finished:		September 24, 2018					
Northing		6577192		UTM NAD 83 Z09										Logged By:		L. Hunt & T. Vig					
Elevation		1,585.0		m ASL										EZShot Tests:		Depth (m)		Az		Dip	
End of Hole		42.7		m										N/A							
Azimuth		026																			
Dip		-60.0																			
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling								
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)				
0.00	3.20	OB				Overburden															
3.20	10.20	DOL				med. Grey, chaotically foliated with local mod. Quartz carbonate vnlt. 2 sets of vnlt. noted; one sub-parallel tca with mod fn. diss py, the other set of vnlt. @ 40° tca. Both <1mm, locally up to 3mm wide., few local clots. Local incipient SK alteration, is seen as pinkish/orange vnlt. and patches, iSi															
10.20	11.15	SK				Skarn, non mineralized, Intensely silicified, moderately to chaotically fract., with green/pink hues in patches, Local Limy Sk, local mod. Py on fract.															
11.15	12.30	SK				Limy Skarn, Sx in clots and diss., lc discreet @ 40° tca, uc indiscreet	2	2	1	2	2			11.15	12.30	21922					
12.30	13.60					Skarn, non mineralized, Intensely silicified, moderately to chaotically fract., with green/pink hues in patches, Local Limy Sk, local mod. Py on fract.															
13.60	18.25	DOL				Black to dark grey, chaotic quartz carbonate vnlt. throughout, avg 5%, local pdo @ 30° tca, grades to chaotic interbedded lms.t.dol with local shaley beds? Sects. Most structure is obliterated, few clasts remain with chaotic selvages, no pdo. Approaching lc of unit a mod. fol. of 70° tca develops, lc is discreet															
18.25	21.30	SK				Pale green.grey, very soft (clay & Talc?) with uc discreet 90° tca, iFeOx staining, 3 cm band of Sx @ 90° tca also. Skarn Aleratio - pale pea green grading to iK(p) from 19.0 - 19.6, local orangey (Garnet alt.) in patches throughout @ 19.6 - 20.0 mSi, pale purplish grey, mfrac with local fol with Sx within beds, mostly muddy py, Po occurs as irreg. blebs thr to 1.5cm, Sub parallel tca, 1mm frags filled with cpy, po, py +/- sph, 10cm gouge @ lc.	0.5		0.25	0.5				18.25	20.00	21923	1.75				
21.30	28.10	H				Black to dk brown, well foliated at variable angles tca, dark reddish brown bands, Po finely diss throughout, brownish bands to 3-5%. Noted Quartz inclusion with sericite, cpy, po, and py diss. Check Results for further sampling if needed. 26.6 - 28.1 altered contact zone, with Hornfels & limestone below. Dark greenish grey, foliated, locally intensely, average pdo 60° tca, up to 4cm minor quartz carbonate structures within foliation and low angled tca fractures. Tr py only fract.	4.00	4.00						22.90	24.40	21924	1.50				
28.10	33.90	LMST				medium to dark grey, chaotic foliation, few quartz carbonate vnlt. at low angles tca, lc @ 45°, uc indiscreet, non-magnetic, Sx diss. throughout, Po in blebs to 1cm, Interbedded sediments are twisted and chaotically distorted.	0.75	0.75	0.50					33.00	34.00	21925	1.00				
33.90	35.10	H				Black, graphitically altered															
35.10	36.20	FLT				ibroken core, local gouge, moderate med grained py seen on fract	0.50														
36.20	39.10	H				Mostly dark grey to locally black, vfng. Py +/- po throughout on fract and locally diss. to 1% Chaotic foliation is local, local foliation and banding are at 60° tca, few bands are totally replaced by pyrite	1.00	1.00													
39.10	42.70	SK				CalcSilicate altered Hornfels(SK), banding and foliation is locally intense @ 20° tca															
EOH 42.7																					

Pacific Bay Minerals						2018 Mt Haskins Meteor-Boot Zone						DDH No. : 18MZ-06						Pg 1 of 1			
Collar Details: Note: GPS only, non surveyed						Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones												Started: September 25, 2018			
Easting		472768		UTM NAD 83 Z09								Finished: September 26, 2018									
Northing		6577260		UTM NAD 83 Z09								Logged By: Lesley Hunt & Tyler Vig									
Elevation		1,587.0		m ASL								EZShot Tests: Depth (m) Az Dip									
End of Hole		36.6		m								N/A									
Azimuth		020																			
Dip		-45.0																			
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling								
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)				
0.00	3.00	OB				Overburden															
3.00	5.50	ARG				Cherty Argillite, Dark grey, few pale grey-green skarnified beds, hackky fracture, rare foliation, no pdo, no carbonate 4.6 - 4.8 ibroken core, moderate faulting 4.8 - 5.5 Contact Zone, iSi, vfngained, Skarnified calc silicate altered rock, local patches of Limy Sk texture with altered garnet clusters (orangey colored patches of remnant garnets), few clots of mgrained py to 0.75cm, irregular LC perpendicular tca															
5.50	6.80	LMST	STKWK			Chaotic "ghosty" patchy altered limestone with a few subparallel quartz carbonate vnlt to 1mm, numerous othe quartz carbonate structures															
6.80	7.10	LMST				Lower contact zone, dk grey and buff colored contact rock, vfng, "patchwork" alteration pattern resulting from Silica overprinting, lc @ 45° tca	2.00	0.25													
7.10	7.95	SK	UNMin.			Limy Skarn, very soft, pale greensih / yellow, Clay + Sericite on fract to 1mm, vague remnant banded appearance - darker green bandsépatches and pale yellow bands															
7.95	14.10	LMST				Medium grey limestone, local intese foliation @ 70° tca, otherwise mostly chaotic dissolution fronts marked by black hairline stylolitic fractures on the front edges. Moderate fracture controlled py. Po is often seen on dissolution fronts, local skarn alteration zones at roughly 13.5m. @ 9.0m, 1cm vnl. of massive sulphide skarn @ 50° tca with Sph, cpy, mag, ga	1.0	2.0													
14.10	15.10	SK	MS			Massive Sulphide, Sphalerite Magnetite Skarn, moderately to locally intensely pitted, pistachio green (actinolite) throughout, wclay alteration pervasive	10		20	50	20.0			14.10	15.10	21928	1.00				
15.10	16.30	SK	SMS			Semi-Massive Suphide Skarn, khaki green in color, siliceous, foliated @70° tca, locally chaotically foliated, Patch and banded SMS as above Total Sulphides 60%, quartz carbonate vnlt are mm scale, parallel tca, large CaCO3 clots to 1.5 are common								15.10	16.30	21929	1.20				
16.30	17.70	SK	UNMin.			as above, unmineralized															
17.70	19.15	DOL				Medium grey, moderately, locally, chaotically fractured, few quartz carbonate vnlt to 2mm @ 40° tca															
19.15	20.40	SK	UNMin.			UC is discreet @ 45° tca, This unit is sthe contact zone, Pale green, vfng, massive, black/silverish metallic mineral - non magnetic is disseminated and seen in clusters. All textures have been obliterated, moderately silicified. Hematite is blood red and is seen mod. disseminated and concentrated on dissolution front stylolitic fract. Few quartz carbonate vnlt, mm scale, no pdo								19.15	20.40	21930	1.25				
20.40	22.90	SK	FLTZN			Mottled army green/maroon/black patchy alteration, locally alteration is in bands to 3 cm, local iClay patches 20.4 - 21.3: 2% py diss throughout 21.3 - 21.5: iclay gouge 21.5 - 22.9: mostly chaotic foliation, locally fol. @ 45° tca with 2% py within foliation/fractures															
22.90	24.20	SK	MIN			Dark green/blue/black, iclay 23.1 - 23.8, mineralization is patchy and associated with iclay gouge, ifractures throughout, LC @ 40° tca Note: 0.5m core missing, See picture in Pics Tab titled "Atomizing Brass or Burning Rock?"	3.0	2.0	5.0	3.0	3.0			22.90	24.20	21932	1.30				
24.20	25.95	SK	UNMin.			CalcSilicate, ifractures, no pdo, local iclay gouge @ 25.7m, LC iclay gouge, mod py on fract	1.0														
25.95	29.00	H				Black vfng, moderately fractured, moderate quartz carbonate structures - vnlt are chaotic, local py seen as fracture controlled, few irregular zones of limy skarn alteration with Po & Py	1.0	0.5													
29.00	36.60	SK				Hornfels grades to a more interbedded classic calc silicate altered un min. Skarn with local limy skarn zones to 2cm															
EOH 36.6m																					

Pacific Bay Minerals		2018 Mt Haskins Meteor-Boot Zone					DDH No. : 18MZ-07					Pg 1 of 1						
Collar Details: Note: GPS only, non surveyed		Purpose: Test for Extensions of Previously drilled Meteor-Boot Zones										Started: September 26, 2018						
Easting		472768		UTM NAD 83 Z09								Finished: September 27, 2018						
Northing		6577260		UTM NAD 83 Z09								Logged By: Lesley Hunt & Tyler Vig						
Elevation		1,587.0		m ASL								EZShot Tests: Depth (m) Az Dip						
End of Hole		56.4		m								N/A						
Azimuth		000																
Dip		-50.0																
From (m)	To (m)	Lith.	Struc.	Pic. #	m	Description	Mineralization (%)						Sampling					
							Py	Po	Cpy	Sph	Mag	Mo	Gal	From (m)	To (m)	Sample No.	Width (m)	
0.00	1.50	OB				Overburden												
1.50	5.85	H				Black, vfng, moderately broken core, local Skarn alteration in irregular patches (limy skarn wi po & py diss within the SK patches. Low angle fract, few quartz carbonate vnlt, irreg. to 2mm, Hornfels grades to CalcSilicate Skarn towards lower contact. LC is discreet @ 80° tca	1	2										
5.85	11.80	LMST				Limestone & Skarn (Limy) 5.85 - 7.3 mostly limy skarn, pale yellow/orange, soft with few iSi CalcSilicate irregular patches 7.3 - 11.8 Mostly interbedded medium grey foliated limestone and limy Skarn altered patches, some Limestone displays chaotic dissolution front textures, few quartz carbonate structures (vnlt, clots, stkwks etc) with a rough pdo @ 15° tca												
11.80	13.60	SK	SMS			Massive Sulphide (Copper Zinc) UC duscreet 80° tca, pitted texture, medium grey green (actinolite) is most of groundmass with 75% Sx	15	10	20	20	7		3	11.80	13.00	21933	1.20	
13.60	13.70	SK	FLT			FLT, drusy CaCO3, Brecciated with white CaCO3 matrix, 5% angular and rounded fragments to 2-3cm, large irregular vugs to 1 cm								13.00	14.10	21934	1.10	
13.70	14.10	SK	MS			As above												
14.10	14.60	SK	FLT			iclay gouge, very little Sx noted								14.10	14.60	21935	0.50	
14.60	16.00	SK	MIN			Medium buff coored, moderately soft, medium grained, SMS in 25% of unit. Hematite in fract and clots throughout, SMS in patches to 4cm, moderate fract 15.2 - 15.3 iclay gouge, mme scale white clay clots throughout	5		5	8	5		2	14.60	16.00	21936	1.40	
16.00	17.90	SK	NonMin			pale green skarn, vfng, moderately silicified, non foliated, 0.5% mm scale black fract with silvery tinge, locally hematite?, rare quartz carbonate vnlt, few local clay in fract - mm scale, at low angles tca		0.5						16.00	17.90	21938	1.90	
17.90	21.80	H				Black to dark brown, vfng, iSi, local CalcSilicate skarn alteration (pinkish - pale grey in color), foliation is locally intense @ 50° tca, py in fract, po within foliation and occasional irregular blebs disseminated throughout	1	1										
21.80	22.60	SK	FLTZN			Mineralized, mottled green/grey/black chaotic skarn texture, local iclay gouge and clay in clots, white and pale green slicks, non magnetic. Minealized throughout lower 10cm of unit, Sph, cpy magnetite, +/- po	1	1	2	1	1			21.80	22.60	21939	0.80	
22.60	37.10	SK				Calc Silicate Skarn, iSi, vfng, grey / buff/black banding throughout, ifoliation @ 60 - 70° tca with numerous iclay gouge to 5cm, locally magnetic, weak quartz carbonate vnlt mm scale, mostly within foliation some local lpo 27.0 - 31.5 pale green grey with local skarnified zones, quartz carbonate vnlt with weak mineralization, local dk. green mineral pyroxene?, local limy skarn localized oarngy irregular almost obliterated garnet alteration.		1			0.5							
37.10	38.00	SK	MIN			Pale green limey skarn with chaotic mineralization, Avg. a7% mineralization throughout however concentrated in center of unit	1	2	2	1	1			37.10	38.00	21940	0.90	
38.00	56.40	SK	NonMin			CalcSilicate Skarn, iSi, pink/grey/pale green/dark brown local irreg. banded, Avg fol @ 30° tca, Few irregular Limey patche, some minor mineralization and locally magnetic												
EOH 56.4																		

APPENDIX D: 2018 DRILL PROGRAM PLAN VIEW MAP AND CROSS
SECTIONS



Lot 330

18MZ-07 (56.4m)

18MZ-06 (36.6m)

18MZ-01 (79.3m)

18MZ-02 (71.6m)

18MZ-04 (64.0m)

18MZ-05 (42.7m)

18MZ-03 (97.6m)

510712

510720

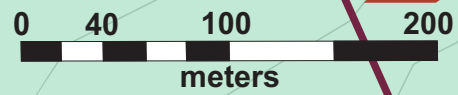
Lot 303

PACIFIC BAY MINERALS LTD.

MOUNT HASKIN REED PROPERTY

McDame Creek, Dease Lake Area, Liard MD, BC

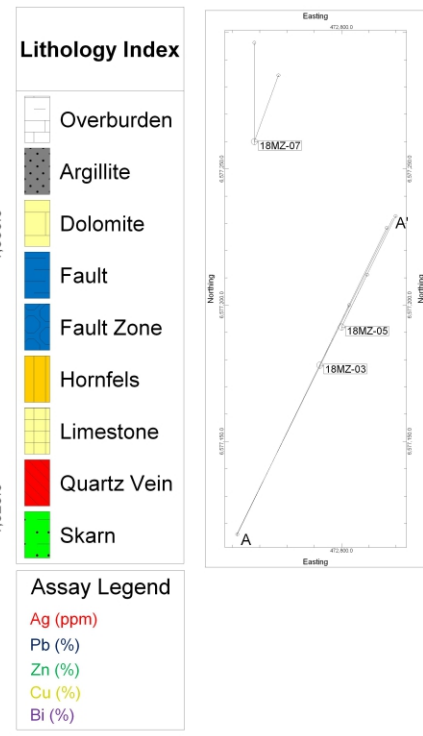
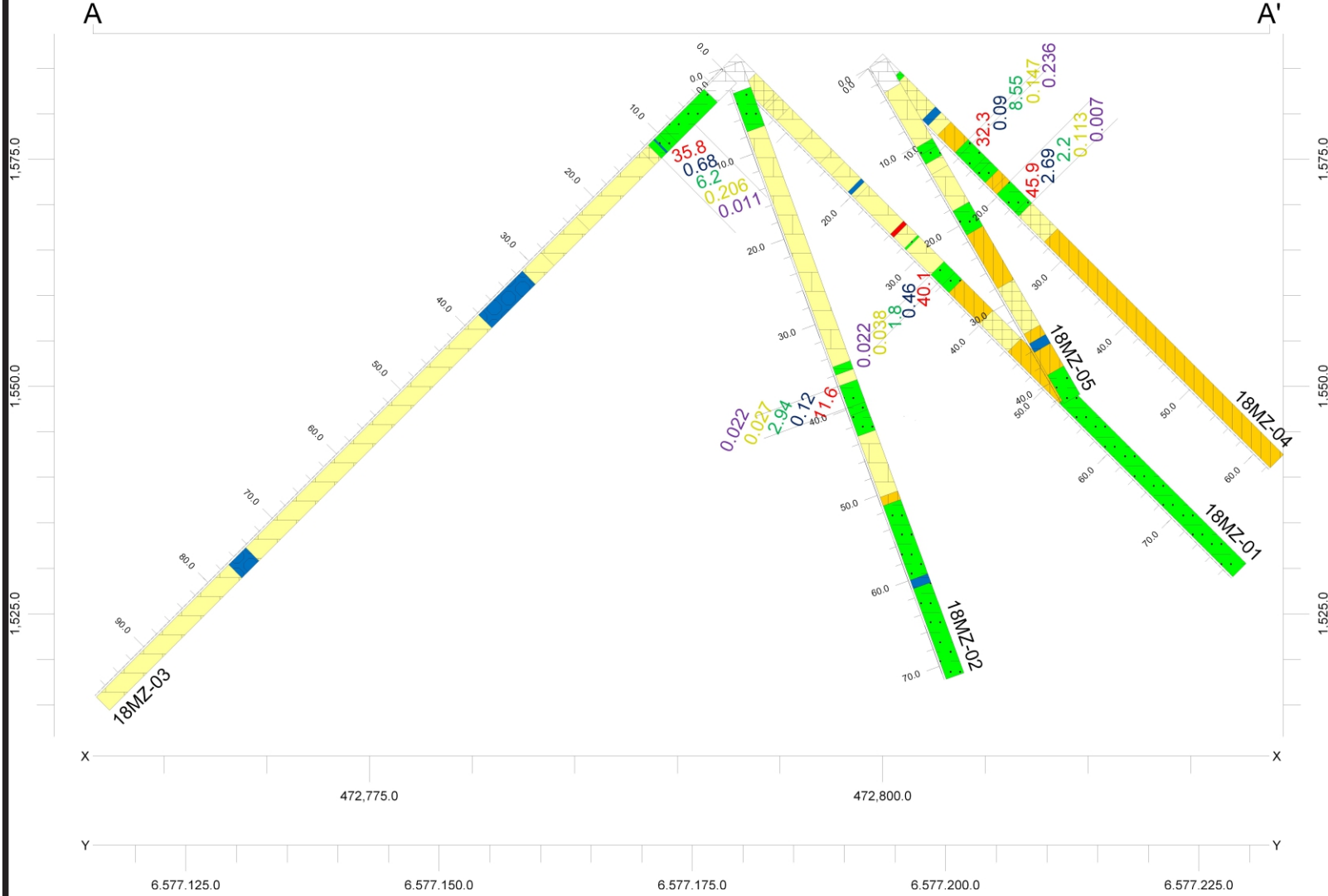
DRILLHOLE PLAN MAP



Geotronics Consulting Inc
Exploration done right

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	18-15	104P/05 104P/06	JAN '19	5

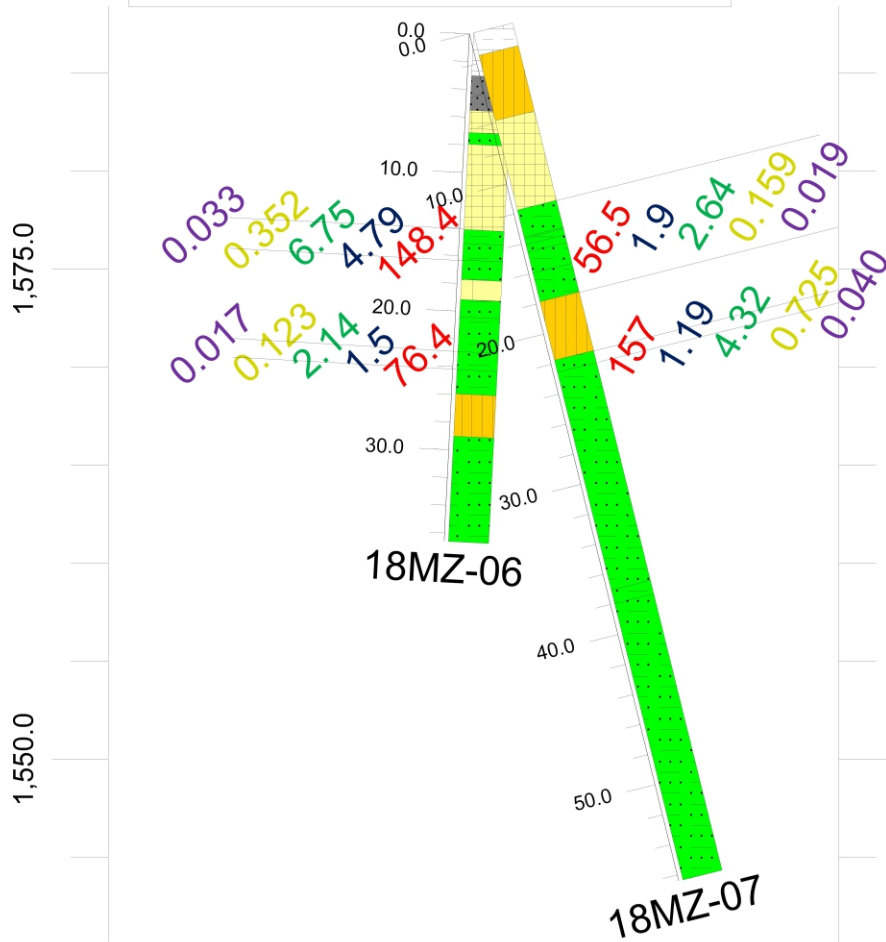
Cross-Section A-A'



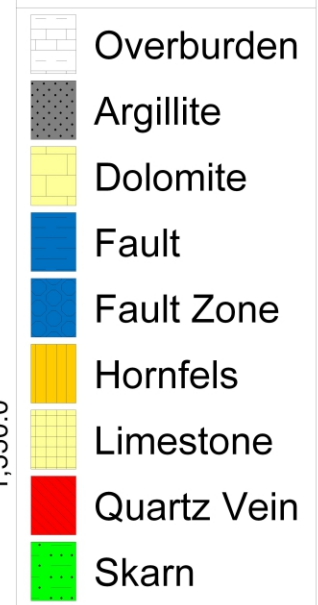
PACIFIC BAY MINERALS LTD.				
MOUNT HASKIN REED PROPERTY				
McDame Creek, Dease Lake Area, Liard MD, BC				
A-A' SECTION MAP				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	18-15	104P/05 104P/06	JAN '19	6

Cross-Section B-B'

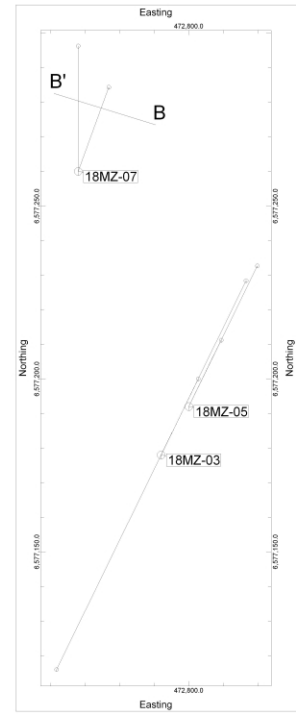
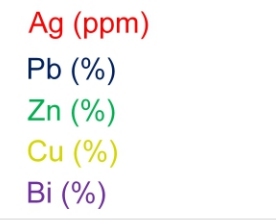
B B'



Lithology Index



Assay Legend



PACIFIC BAY MINERALS LTD.				
MOUNT HASKIN REED PROPERTY				
McDame Creek, Dease Lake Area, Liard MD, BC				
B-B' SECTION MAP				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	18-15	104P/05 104P/06	JAN '19	7

APPENDIX E:
2018 Haskins Reed Diamond Drill Program
COST STATEMENT

**2018 Haskins Reed, Diamond Drill Program
Cost Statement**

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Lesley Hunt, Manager, Geologist	August 14th to Oct 6th, 2018	18.1	\$535.21	\$9,687.25	
Tyler Vig, Junior Geologist	September 3rd to Oct 6th, 2018	23.2	\$367.50	\$8,526.00	
Doug VanBibber, Cook	September 11th to 27th 2018	18	\$350.00	\$6,300.00	
				\$24,513.25	\$24,513.25
Office Studies	List Personnel (note - Office only, do not include field days)				
Literature search			\$0.00	\$0.00	
Database compilation	Lesley Hunt	2.0	\$525.00	\$1,050.00	
Computer modelling			\$0.00	\$0.00	
Reprocessing of data			\$0.00	\$0.00	
General research			\$0.00	\$0.00	
Report preparation	Lesley Hunt	3.0	\$525.00	\$1,575.00	
Other (specify)					
				\$2,625.00	\$2,625.00
Airborne Exploration Surveys	Line Kilometres / Enter total invoiced amount				
Aeromagnetics			\$0.00	\$0.00	
Radiometrics			\$0.00	\$0.00	
Electromagnetics			\$0.00	\$0.00	
Gravity			\$0.00	\$0.00	
Digital terrain modelling			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	\$0.00
Remote Sensing	Area in Hectares / Enter total invoiced amount or list personnel				
Aerial photography			\$0.00	\$0.00	
LANDSAT			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	\$0.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Geological mapping					
Regional			<i>note: expenditures here</i>		
Reconnaissance			<i>should be captured in Personnel</i>		
Prospect			<i>field expenditures above</i>		
Underground	Define by length and width				
Trenches	Define by length and width			\$0.00	\$0.00
Ground geophysics	Line Kilometres / Enter total amount invoiced list personnel				
Radiometrics					
Magnetics					
Gravity					
Digital terrain modelling					
Electromagnetics	<i>note: expenditures for your crew in the field</i>				
SP/AP/EP	<i>should be captured above in Personnel</i>				
IP	<i>field expenditures above</i>				
AMT/CSAMT					
Resistivity					
Complex resistivity					
Seismic reflection					
Seismic refraction					
Well logging	Define by total length				
Geophysical interpretation					
Petrophysics					
Other (specify)					
				\$0.00	\$0.00

**2018 Haskins Reed, Diamond Drill Program
Cost Statement**

Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Drill (cuttings, core, etc.)		41.0	49.09390244	\$2,012.85	
Stream sediment			\$0.00	\$0.00	
Soil	<i>note: This is for assays or</i>		\$0.00	\$0.00	
Rock	<i>laboratory costs</i>		\$0.00	\$0.00	
Water			\$0.00	\$0.00	
Biogeochemistry			\$0.00	\$0.00	
Whole rock			\$0.00	\$0.00	
Petrology			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$2,012.85	\$2,012.85
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal	
Diamond	7 BTW drill holes, Total 448.2 meters	448.2	\$155.30	\$69,605.68	
Reverse circulation (RC)			\$0.00	\$0.00	
Rotary air blast (RAB)			\$0.00	\$0.00	
Other (specify)	Mobilization & Demobilization		\$17,330.00	\$17,330.00	
				\$86,935.68	\$86,935.68
Other Operations	Clarify	No.	Rate	Subtotal	
Trenching			\$0.00	\$0.00	
Bulk sampling			\$0.00	\$0.00	
Underground development			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	\$0.00
Reclamation	Clarify	No.	Rate	Subtotal	
After drilling			\$0.00	\$0.00	
Monitoring			\$0.00	\$0.00	
Other (specify)				\$0.00	
Transportation		No.	Rate	Subtotal	
Airfare			\$0.00	\$0.00	
Taxi			\$0.00	\$0.00	
truck rental			\$0.00	\$0.00	
kilometers			\$0.00	\$0.00	
ATVs, Trucks, Exploration Camp Use		17.00	\$692.01	\$11,764.18	
fuel			\$0.00	\$0.00	
Helicopter (hours)			\$0.00	\$0.00	
Fuel (litres/hour)			\$0.00	\$0.00	
Other					
				\$11,764.18	\$11,764.18
Accommodation & Food	Rates per day				
Hotel		1.00	\$207.29	\$207.29	
Camp Rental		17.00	\$518.82	\$8,820.00	
Meals	groceries		\$0.00	\$3,377.14	
				\$12,404.43	\$12,404.43
Miscellaneous					
Telephone			\$0.00	\$0.00	
Other (Specify)					
				\$0.00	\$0.00
Equipment Rentals					
Field Gear (Specify)			\$0.00	\$0.00	
General Camp Supplies	Fuel (Non-Drilling)		\$0.00	\$1,032.64	
				\$1,032.64	\$1,032.64
TOTAL Expenditures					\$141,288.03