

YMEP Final Submission Form



		Date submitted:	
Submit by January 31 st to: (winter placer projects may submit at pre-approved date)	YMEP - EMR/YG Street address: 102-300 Main Street Mailing address: Box 2703, K-102 Whitehorse, YT, Y1A 2B5	ymep@gov.yk.ca phone: 867-456-3828 fax: 867-667-3198	
CONTACT INFO		PROJECT INFO	
Name:		YMEP no:	
Address:		Project name:	
		Project type:	
Email:		Project module:	
Phone:			
Is the final report enclosed? _____ yes _____ hard copy _____ no _____ pdf copy _____ digital spreadsheet of station location data			
Comment:			
PROJECT SUMMARY			
Total project expenditures: _____			
Number of new claims since March 31 st : _____			
Has an option resulted since March 31 st ? _____ yes _____ no _____ in negotiation			
Number of calendar field days: _____			
Number of person-days of employment: _____ paid _____ days of unpaid work			
Total no. of samples: _____ rocks _____ silts _____ soils _____ other			
Total length/volume of trenching/shafting: _____			
Total number of line-km of geophysics: _____			
Total metres drilled: _____ diamond drill _____ RC drill _____ auger/percussion drill			
Other products (provide details): _____			
FINANCIAL SUMMARY		<i>This is not an expense claim form. To request reimbursement of expenses, please submit a separate detailed expense claim form.</i>	
Total daily field allowance:	_____	Total contractor costs:	_____
Total field air transportation costs (helicopter/plane):	_____	Total excavating/heavy equipment costs:	_____
Total truck/mileage costs:	_____	Total assay/analyses costs:	_____
Total wages paid:	_____	Total reclamation costs:	_____
Total light equipment rental costs:	_____	Total report writing cost:	_____
Other (please specify):	_____	Total staking costs:	_____
Other (please specify):	_____		

YMEP Final Submission Form



Your feedback on any aspect of the program:

The Department of Energy, Mines and Resources may verify all statements related to, and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mineral Exploration Program.
2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.
3. I hereby apply for the final payment of a contribution under the Yukon Mineral Exploration Program (YMEP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date _____

Signature of Applicant _____

Name (print) _____

Author: Morgan Fraughton
NTS Mapsheets 115P12 and 115P05
UTM Zone 8, 367200 Easting, 7044800 Northing
Dawson Mining District, Yukon, Canada

YMEP 16-067

PLATINUM CREEK EXPLORATION

SEPTEMBER 2016 – MARCH 2017

This reports outlines staking, sediment sampling, trail cutting and shafting work completed on Platinum Creek in the Dawson mining district.

TABLE OF CONTENTS

Contents

Introduction	1
Claim Owners	2
Location and Access	3
Summary of Previous investigations and History	4
Geology/Geography	6
Exploration Program (Sept 2016 – Mar 2017)	7
Conclusions/Recommendations	11

Appendix:

Location and Access Map	Appendix I
YGS Bedrock Geology Map	Appendix II
Work Program Overview Map	Appendix III
Statement of Expenditures	Appendix IV
Statement of Qualification	Appendix V
Assays Certificates	Appendix VI

INTRODUCTION

Introduction

Research by Morgan Fraughton and Roland Berglund, uncovered mining recorder documents and newspaper articles from 1902 that state there are paying quantities of platinum in the gravels near bedrock at Platinum creek. In addition to placer platinum one of the newspaper articles suggested that the placer platinum was very coarse and that most likely its hard rock source was close by. This also lead to interest in the area for hard-rock platinum. To verify the reports and historical documents exploration in the field was necessary.

This exploration program was undertaken in three phases from September 6, 2016 to March 31, 2017:

1. Phase 1 (Sept. 6 -10, 2016 – 5 days)): Helicopter access, prospecting, sediment sampling and staking
2. Phase 2 (Feb. 4 – 12, 16-24, Mar. 1-6, 2017 – 24 days)) Mobilization, camp setup, and Snowmobile trail cutting.
3. Phase 3 (Mar. 7 – 13, 15, 17 – 31, - 23 days) Shafting.

SPECIFIC OBJECTIVES FOR EXPLORATION ON PLATINUM CREEK

1. Locate the area described in the historical newspaper articles.
 2. Stake placer leases and claims to cover the supposed placer platinum area.
 3. Take stream sediment samples and have them analyzed for the elemental content; specifically, for Platinum Group Metals (PGM's)
 4. Using the historical documents, early prospecting and stream sediment samples determine to find shaft locations and sink shafts there.
-

CLAIM OWNERS

Claim Owners

In September 2016 two placer leases to prospect (ID01489 and ID01490) were staked and all shafting work and sediment sampling took place on these leases. Also, in September 2016 forty quartz claims were staked to cover the possible hard rock source of the placer platinum described in the old newspaper articles.

In March 2017, as part of this exploration program, two more leases (4-miles and 3-miles) were staked to cover access routes from the Stewart River to Platinum Creek. Once the shafting program has completed the two original leases (ID01489 and ID01490) will be converted in to approximately 60 placer claims.

All claims and leases staked may be registered initially under various names but the true ownership of the claims and leases is 50/50 between Morgan Fraughton and Roland Berglund of Dawson City.

LOCATION AND ACCESS

Location and Access

LOCATION

Platinum creek is in the Dawson mining district of Yukon, Canada on National Topographic Survey (NTS) mapsheets 115P12 and 115P05. Platinum creek is a right limit tributary of Lake creek; which flows in to the Stewart river approximately 8 km from the mouth of Platinum creek. Shafting work done in this exploration program was performed on the placer leases (ID01489 and ID01490) staked near a fork on the upper end of Platinum Creek approx. 10km from the mouth of the creek. Platinum creek is 110 km south-east by air from Dawson City or 90 km south-west from Mayo. The Klondike Highway is the closest highway to the property and at some points the highway gets as close as 12 km by air from the areas shafted on the leases.

ACCESS

While exploring this placer platinum prospect, a helicopter and snowmobiles were used to get access to the creek.

The McQuesten airstrip was used as the main staging area for the shafting and trail making programs. Truck access to the McQuesten airstrip was made possible by the Yukon Government road crews out of Stewart Crossing who plowed the snow and opened access from the Klondike Highway. Usually the 2-km McQuesten airstrip road is left unplowed during the winter months. To access the claims on Platinum creek a truck and trailer were used to get all gear from Dawson City to the McQuesten airstrip and then snowmobiles and toboggans were used for getting from the airstrip to the shafting areas on Platinum creek.

McQuesten airstrip, a government maintained gravel airstrip, is located just over 10 km by air from the upper reaches of Platinum creek. This airstrip is located on the banks of the Stewart river and has summer road access from the Klondike highway. From Dawson City, the McQuesten airstrip is a 120-km drive via the Klondike Highway. The airstrip and the road leading to it from the Klondike Highway is bound by a section of Nacho Nyak Dun First Nation category A land but never enters it. This makes access and work on Platinum creek possible without going off Crown lands.

By land, from the McQuesten airstrip, the snowmobile route created goes over the ice on the Stewart river to the mouth of an un-named left limit tributary of the Stewart river. The snowmobile trail goes up this tributary to the height of land and then drops down the other side of the hill in to the headwaters of Platinum creek. From the headwaters of Platinum creek, the trail goes down to the area that was shafted in this report.

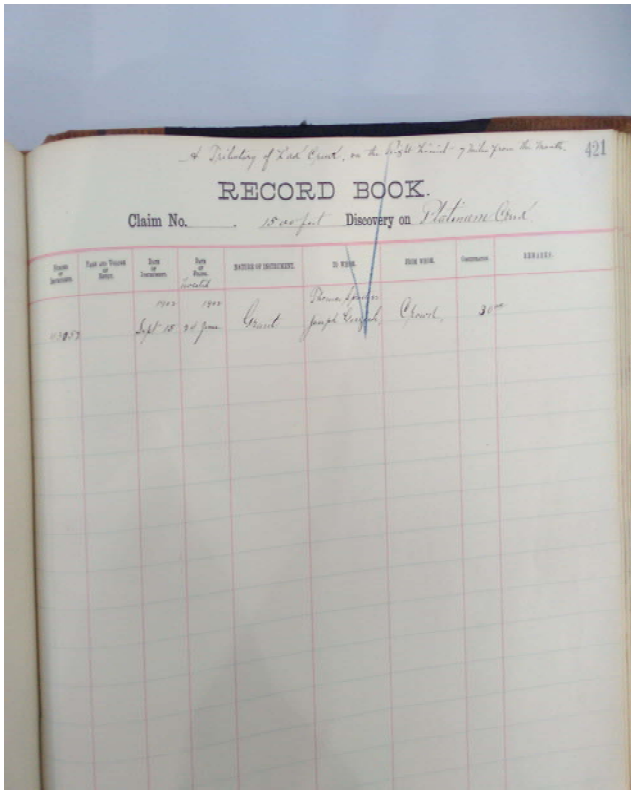
SUMMARY OF PREVIOUS INVESTIGATIONS AND HISTORY

Summary of Previous investigations and History

HISTORICAL WORK

The Platinum creek area has not seen much mining or prospecting historically. Although little has been published about the area the reason for this exploration program came from two articles in 1902 editions of the Dawson Daily News; a newspaper no longer being printed. The source for this old newspaper article will be kept a secret because of its rarity and the possibility that the owner does not want to disclose that they own it.

The articles make quick mention of miners pulling out good quantities of placer platinum and some smaller quantities of gold in a pay layer that is 3-5 ft. thick and sits on bedrock at about 20 – 25 ft. depth on Platinum creek. Per the article these pay gravels were paying what would be equivalent to over \$400 per cubic yard in today's Canadian dollar. Obviously, this raised some eyebrows. Although the article mentioned that Platinum creek was a tributary of Lake creek it did not specify exactly which creek it was on a map. The name "Platinum creek" did not survive through the ages and seems to have been forgotten in the official records. A little more digging for information would be needed in order to locate the old Platinum creek mentioned in these newspaper articles. Morgan Fraughton, the author of this paper, spent some time researching to discover the location of the original Platinum creek named in this news article.



In November 2015, a trip to the Yukon archives uncovered the original discovery claim application and an entry in to the Clear creek mining recorders' book for claims staked on 'Platinum creek'. The original discovery claim application on Platinum creek made very specific reference to where Platinum Creek was and where the discovery claim was staked on the creek. In addition to the discovery claim on Platinum creek, there were a few miles of claims staked above the discovery and then also about 9 miles of claims staked below the discovery claim to the mouth of Platinum creek where it intersects with Lake creek. This information provided a location to stake and test with shafts to bedrock. An exploration plan was devised to verify these news articles.

SUMMARY OF PREVIOUS INVESTIGATIONS AND HISTORY

FORM H.—Application for Grant for Placer Mining and Affidavit of Applicant.

43052

I (or we) ^{Pub. 51579} Thomas Spratzer Clear Creek - 18 June 1901
 and Joe Gerqich Clear Creek 20 July 1901
 of Clear Creek hereby

apply, under the Yukon Placer Mining Regulations, for a grant of a claim for placer mining as defined in the said Regulations, in (here describe locality)

Clear Creek placer mining claim, being discovery claim on Platinum Creek, a tributary on the right bank of Lake Creek, about 1/2 mile up the river from the junction of Lake Creek and Stewart River, discovery claim on the right bank of Platinum Creek about one mile above the mouth of and about eight (8) miles from mouth of said Platinum Creek and I (or we) solemnly swear :-

1. That I (or we) am (or are) unaware that the land is other than vacant Dominion Lands.
2. That I (or we) did on the 24th day of June 1901 at mark out on the ground, in accordance in every particular with the provisions of the mining regulations for the Yukon Territory, the claim for which I (or we) make this application, and in so doing I (or we) did not encroach on any other claim or mining location previously laid out by any other person.
3. That the length of the said claim, as nearly as I (or we) could measure is 1500 feet, and that the description of this date hereto attached, signed by me (or us) sets forth in detail, to the best of my (or our) knowledge and ability, its position.
4. That I (or we) staked the claim by planting two legal posts numbered 1 and 2 respectively and that No. 1 is down stream discovery.
5. That I (or we) make this application in good faith, to acquire the claim for the sole purpose of mining to be prosecuted by myself (or us) or by myself and associates, or by my (or our) assigns.

SWORN before me at Clear Creek Nos. Spratzer
 U.S. this 8th
 day of July 1901 Joe Gerqich
 W. J. Williams
 Mining Recorder

43052

YUKON ARCHIVES

Series 10 Vol 429 File 43052 - 43052

GEOLOGY/GEOGRAPHY

Geology/Geography

REGIONAL/PROPERTY SCALE BEDROCK AND SURFICIAL GEOLOGY

This area has not seen a lot of exploration and even less has been recorded. The best representation of regional bedrock geology comes from the Yukon Geological Survey's (YGS) bedrock mapping which gives an overview but detailed (property scale) mapping has not been done in this area. The bedrock map taken from the YGS online map maker shows the Platinum creek area with only one mapped unit; The regional Simpson Range (MqSR) unit of Yukon-Tanana terrane. See the map in Appendix and note the light pink area is made up entirely of the MqSR unit. The map's legend does not show this unit due to the limitations of the online map maker. The MqSR unit is estimated to be of the Mississippian epoch estimated at 358 – 342 million years old. YGS describes this unit as an unmetamorphosed felsic monzogranite/granodiorite/qrtz-monzonite. This description by the YGS stands true for the only areas of bedrock seen in Platinum creek.

Regional surficial geology in the area is majorly imprinted by the past glaciers that came through the area. The entire area is covered with glacial till. This till was observed at the highest point walked (1000 meters above sea level) on the property and in the shafts at the bottom of the creek. The glacial till is comprised mainly of lightly weathered granite (hornblende, biotite and quartz) boulders, clean looking and up to 1 meter in diameter.

Property scale bedrock geology has not been obtained in a detailed way. Only a few points were observed on the property and area that could confidently be called bedrock and mapping notes were taken.

It is believed that the glacial till covers the older drainage system that predates the glacial coverage and that much of the platinum is coming from a local source that this ancient drainage system has flowed through.

EXPLORATION PROGRAM (SEPT 2016 – MAR 2017)

Exploration Program (Sept 2016 – Mar 2017)

PROGRAM OVERVIEW

The field explorations on Platinum creek from were performed at intervals between September 6, 2016 to March 31, 2017. Using the summer months for initial staking, sediment sampling and prospecting. Then, in the winter of 2017, a trail for snowmobile access was made. Once the snowmobile trail was in over land and ice to the shafting location two hand shafts were sunk to determine surficial geology and placer mineralization (gold and platinum) near bedrock.

WORK DETAIL AND TIMELINE

Lease Staking, Quartz Claim Staking, Stream Sediment Sampling - Sept. 6 – 10, 2016 (5-days)

The exploration field work began with lease staking (ID01489 and ID01490), stream sediment sampling, and prospecting. This work took place over five days, from September 6, 2016 to September 10, 2016. Access was gained by helicopter from Dawson City, a 120-km flight. Morgan Fraughton flew in alone in a Bell 206 Helicopter with gear and rations for a five day stay.

Day 1 – Flew in to Platinum creek in helicopter. No easy spot to land near the decided upon camp site. Had to get out of the helicopter a couple hundred meters and across the creek away from camp area. Spent rest of day setting up camp, panning around the gravels and cutting out a proper helicopter pad next to the camp site.

Day 2 - Staking 2-mile lease on the un-named left limit fork of Platinum Creek and taking Stream Sediment Samples (SSS) on the way up the creek.

Day 3 – Staked quartz claims.

Day 4 – Staking 3-mile lease on Platinum creek and taking SSS at 500 meter intervals along the creek.

Day 5 – Finished staking the 3-mile lease and taking the last of the SSS's. Broke down camp. Flew back to Dawson.

Stream Sediment Samples (SSS's) were taken every 500 meters along the staking base line. SSS's were hard to come by in most cases where one had to pan the sediments out of a few piles of moss or muck in the creek. The creek is quick flowing. It is very narrow and always about 1 meter deep and 50 cm wide. It cuts through the frozen muck layer. The brush growth in the creek valley is very thick willow right next to the creek and somewhat less thick sections of black spruce further away from the creek. The creek rarely shows any signs of gravels or inorganic material its banks are full of moss and fine muck.

The assay results for the SSS are included in this report as an appendix. None of the samples proved to be anomalous in economic minerals of interest. The negative results on the SSS's was not considered too bad as they were taken from a very top layer of over 25ft of glacial till overburden which could definitely mask

EXPLORATION PROGRAM (SEPT 2016 – MAR 2017)

any mineral concentrations in the placer gravels near bedrock. Since the SSS's did not come back positive it was not going to be a useful tool to use to determine shaft locations.

Snowmobile Trail Construction – Feb. 4 -12, 16 – 24, Mar. 1 – 6, 2017 (24-days)



To sink a shaft in Platinum creek snowmobile access was necessary. Snowmobile trail making started from the air with a flight from Dawson City in a small fixed wing aircraft chartered from Great River Air. The purpose of the flight was to scout the most favorable access route from the McQuesten airstrip to the shafting area. The flight took just over 1hr from Dawson and was instrumental in choosing the right route for the snowmobile trail.

Snowmobile trail clearing started on February 4th 2017 when Morgan Fraughton and Joseph Fraughton drove out to the McQuesten airstrip from Dawson City with a truckload and trailer load of camp gear, cutting gear, fuel and snowmobiles, etc. The first two nights of trail clearing were spent at the Moose Creek Lodge just a 20-min drive from the airstrip. On the third night, Feb 6th, camp was setup and all nights after that were spent in the wall tent camp on the trail.

The trail cutters would work with a chainsaw, axe and machete. The trail going up out of the Stewart river valley was especially thick with brush. Some days only 250 meters of trail construction was possible due to thick brush, overflow in the creek or some other obstacle. The trail dropping from the height of land in to Platinum creek was much easier going.

EXPLORATION PROGRAM (SEPT 2016 – MAR 2017)

From Feb 4th to March 6th a total of 24 days was needed to put a 17-km snowmobile trail through the bush from the McQuesten airstrip to the shafting area on Platinum creek. The round trip from the McQuesten airstrip to the shafting area and back takes 3.5 hrs. by snowmobile.

Staking two new leases - Mar. 13, 2017 (1 day)

To claim the area around the already staked leases and ensure future equipment access in case of this creek being mined, two new leases were staked on March 14th. One lease covering an un-named left limit tributary of the Stewart River; the same tributary that the Snowmobile access trail comes up to the height of land. The second new lease ends at the same height of land at the very top of Platinum creek but starts from the old 3-mile lease (ID01490) post two.

It is planned to continue the staking before this spring and stake leases connecting to the current ones going down to Lake Creek and out to the Stewart river.

Shafting - Mar. 7 – 12, 14 - 15, 17 – 31, 2017 (23 days)



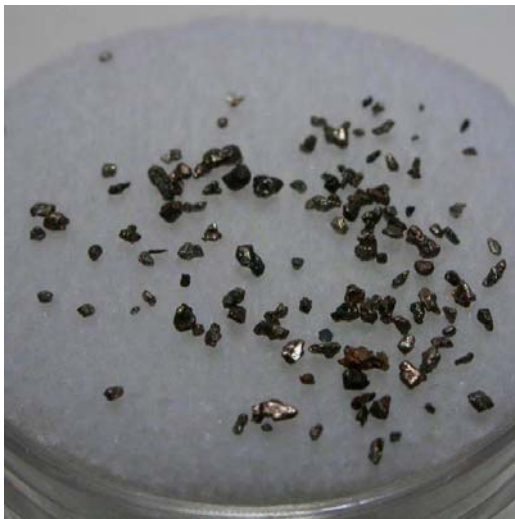
EXPLORATION PROGRAM (SEPT 2016 – MAR 2017)

The shafting area was reached on March 6th. The next day on the 7th the camp had been moved close to the shaft location and work on sinking Shaft One had begun. Between March 7th and 31st 23-days were spent sinking two shafts.

Shaft One was started directly on March 7th and work was continued until the 15th of March. By the 15th shaft one was 18 ft. deep. When we left the camp, and went to Dawson City for the night of the 15th and 16th and back on the 17th, Shaft One had been completely inundated with water from a changing creek-ice melt. Since we did not have the means to pump out the steady flow of glacial melt we were forced to find a new shaft location.

The new location for Shaft Two was scouted on March the 18th and work begun later that day. Shaft Two was worked from March 17th to 31st and is 25 ft. deep at the time of this writing (March 31st, 2017).

Bedrock was not reached on either shaft. Starting on April 2nd the shafting program will continue in hopes to sink both shafts to bedrock before the summer thaw occurs.



Material was panned at many intervals in each shaft as they were being sunk. The final pans in Shaft 2 were starting to show some unknown, very small heavy mineralization, the grains are very small and initially thought to be magnetite and were overlooked until a magnet was obtained to verify that they weren't magnetic. The true nature of this unknown substance may be very fine particles of placer platinum but a closer look with a magnifier and lab samples will be required. It is also possible as Shaft two gets deeper and closer to bedrock that the grains of this mysterious substance will get larger and more visible. For reference, I have provided a stock picture of magnified placer platinum grains, which suit what was found in the pan.

The shafts were dug using a 1200 watt Hitachi jackhammer and occasionally fire to widen the shaft as it became too narrow to work in. Two shafting technicians would work a 12hr shift alternating between digging and lifting buckets in approx. 1 hour rotations. A total of 43 ft. of shaft was dug between the two shafts over the course of 23 days this makes for a shafting rate of 1.9 ft. per day. The top of each shaft was quick digging but as the shafts were sunk deeper the time it takes to get material out of the hole increases along with the hardness and compactness of the gravels. Boulder sections were especially difficult to get through. All material in the shaft except the very top couple feet were locked in permafrost. Both shafts were very similar in composition, the top covered with fines, muck, and organics, then a large (50 cm diameter) boulder section was encountered for 2ft then the boulders would grade to smaller and smaller granite gravels and sands also becoming more decomposed (limonitic and weathered) the deeper the shaft was sunk. An illustration of the shafts has been provided in the Appendix section.

CONCLUSIONS/RECOMMENDATIONS

Conclusions/Recommendations

It is thought that the program has been successful in locating the old placer platinum claims described in the old newspaper reports. The snowmobile trail construction took much longer than anticipated and really ate in to the time allotted for sinking shafts. None the less, the shafting work did make good progress and having two shafts that are probably close to bedrock is a good position to be in at this point. More work will be done in early April to ensure both shafts are sunk to bedrock. Early signs on Shaft two show that there may be very fine grains of placer platinum in pans taken from the bottom of the shaft (25 ft.). Bedrock is probably only a few feet away and placer platinum may become larger and more recognizable as nuggets once bedrock is reached. When the shafts have been completed samples will be sent to the lab to analyze for platinum along with other mineralization. If platinum is confirmed many more leases will be staked to the mouth of platinum creek and down Lake Creek to the Stewart River.

Now that there is easy snowmobile access in winter, if platinum is confirmed by detailed washing and assays it is recommended to start more exploration work downstream from the current shafts next winter. This could be more shafts or work with a drill or excavator to test bedrock in other spots. Drilling work should be done with a RC drill only as the frozen boulder layers seen in the shaft will be too much for an auger style drill to advance past. Excavator work may be possible but the ground is very frozen and impenetrable. Stripping work would need to be done and left over one summer to thaw the ground enough for a bulk sample of any kind.

In addition, if placer platinum is confirmed by assay and professional opinion then hard rock exploration such as soil sampling should be done in the summer of 2017.

Much of the conclusions of this program may be significantly altered in the early days of April as the shafts are sunk to bedrock and the gravels there are tested for platinum.

Platinum Creek Location/Access



Appendix I



Dawson

Mount Jeckell

South Klondike River

Bonanza Creek

King Solomon Dome

Indian River

TRENCH

Reindeer Mountain

Australia Mtn

Henders

Stewart River

Platinum Creek

Lake Creek

Mount Adami

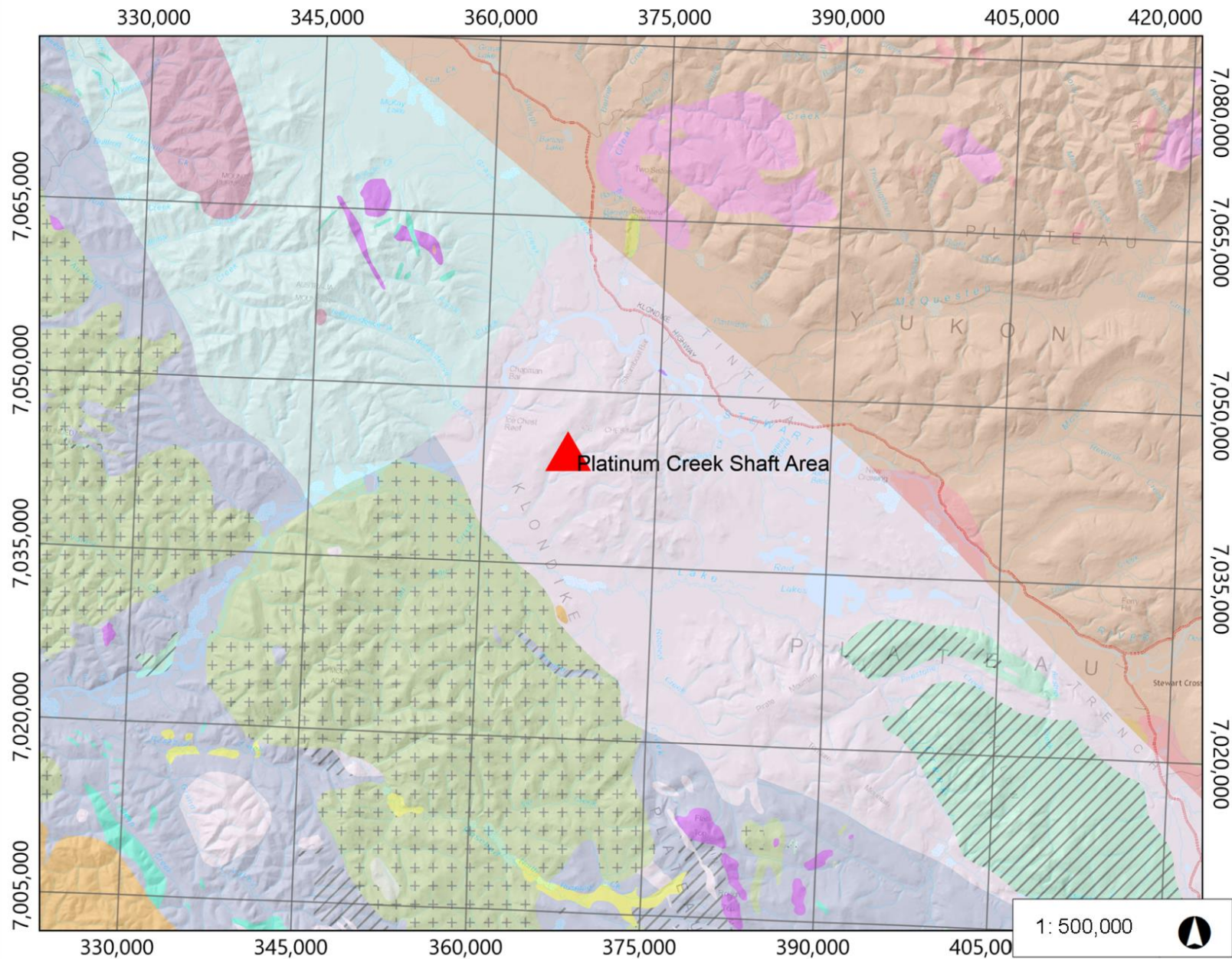
Ice Chest Mountain

Legend

- Klondike Highway
- McQuesten Airstrip Road
- Snowmobile Trail
- ★ Platinum Creek Shafts

1:500,000

0 10 20 30 40 50 km



Legend

Bedrock Geology

- Q: QUATERNARY: unconsolidated glaciolacustrine deposits
- MW: WRANGELL SUITE: Hbl ± Bt ç K-feldspar porphyritic Hbl granodior
- TQS: SELKIRK: columnar jointed, v. flows
- PW1: WALSH: resistant, white weal
- PW2: WALSH: well-indurated congl mudstone, minor coal
- NW1: WRANGELL LAVAS: basaltic volcanic sandstone, conglomerate
- NW2: WRANGELL LAVAS: volcanic
- MPMC: MILES CANYON: columnar flows
- OT: TKOPE SUITE: Bt and/or Hbl gr
- OA: AMPHITHEATRE: sandstone, p. polymictic conglomerate, siltstone, r
- EqBR: BLACK RIVER SUITE: K-felk monzogranite and leucogranite
- EH: HAYDEN LAKE SUITE: salt anc to quartz diorite
- EyT: TING SUITE: syenite, dominate lesser biotite, coarsely crystalline
- ES: SEWARD SUITE: Bt and Hbl-B
- PRC1: RHYOLITE CREEK: light gre and black rhyolite and dacite
- PRC2: RHYOLITE CREEK: maroon very coarse grained andesite
- PRC3: RHYOLITE CREEK: dark gre very fine grained basalt
- PRC4: RHYOLITE CREEK: andesite and breccia, minor basalt
- PRC5: RHYOLITE CREEK: basal cc
- PIR: RUBY RANGE SUITE: feldspar rocks of intermediate to acidic comp
- PnR: RUBY RANGE SUITE: leucocr

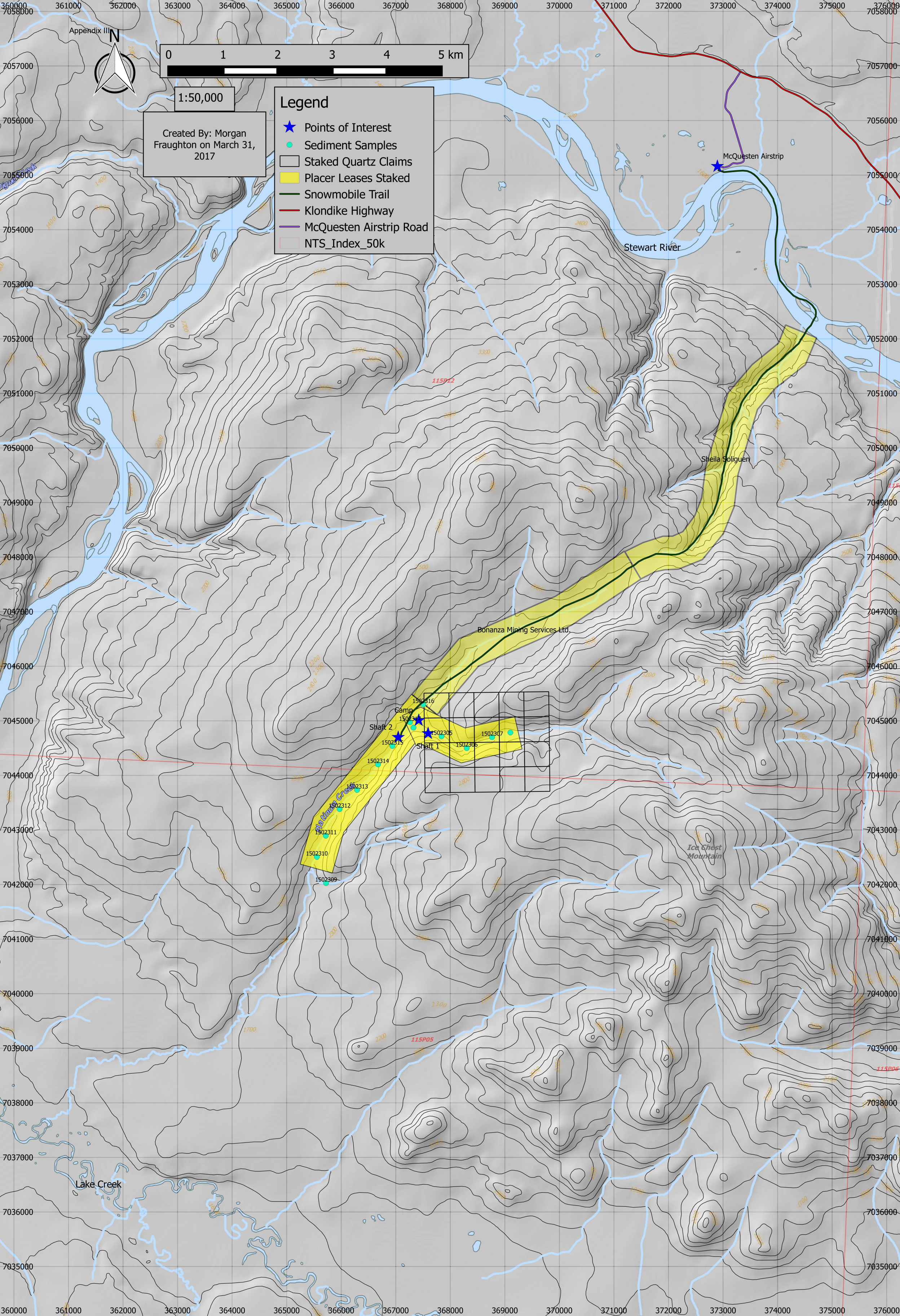
1: 500,000

25.4 0 12.70 25.4 Kilometers

Yukon Albers
Produced from: Yukon Geological Survey MapMaker Online

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: 29-Mar-2017

Notes



Appendix IV

Program and Personnel	Work Dates	Field Days	Mandays	Cost
Snowmobile Access (Morgan Fraughton, Joseph Fraughton, Jake Baptiste)	February 4-12, 16-24, and March 1-6, 2017	24	48	\$32,110.40
Shafting (Morgan Fraughton, Jake Baptiste)	March 7-12, 14, 15, 17-26	23	46	\$39,445.00
Staking/Prospecting	September 6 - 10, 2016 and March 13, 27-29, 2017	6	7	\$8,125.30
Technical Report	ongoing	n/a	n/a	\$1,500.00
Program Costs for YMEP 16-067, Platinum Creek, Target Evaluation				53 101 \$81,180.70

Snowmobile Access				
Wages:		rate	units	total
linecutting technician (Morgan Fraughton)	per day		\$400.00 24	\$9,600.00
linecutting technician (Joseph Fraughton)	per day		\$400.00 18	\$7,200.00
linecutting technician (Jake Baptiste)	per day		\$400.00 6	\$2,400.00
Field Expenses				
Field Expenses	per manday		\$100.00 48	\$4,800.00
EQUIPMENT RENTAL (per unit, per day)				
Snowmobile 1	per day		\$50.00 24	\$1,200.00
Snowmobile 2	per day		\$50.00 24	\$1,200.00
line clearing kit 1	per day		\$50.00 24	\$1,200.00
line clearing kit 2	per day		\$50.00 24	\$1,200.00
Snowmobile skimmer 1	per day		\$20.00 24	\$480.00
Snowmobile skimmer 2	per day		\$20.00 24	\$480.00
Truck	per day		\$50.00 24	\$1,200.00
Truck Trailer	per day		\$25.00 24	\$600.00
Commercial Invoices				
Great River Air	per litre		\$550.40 1	\$550.40
TOTAL				\$32,110.40

Shafting				
Wages:		rate	unit	total
Shafting Technician (Morgan Fraughton)	per day		\$400.00 23	\$9,200.00
Shafting Technician (Jake Baptiste)	per day		\$400.00 23	\$9,200.00
Field Expenses				
Field Expenses	per manday		\$100.00 46	\$4,600.00
EQUIPMENT RENTAL for Shafting Program				
Shafting Equipment (generator, jackhammer, bits, pumps, fuel, etc.)	per day		\$500.00 23	\$11,500.00
Snowmobile 1	per day		\$50.00 23	\$1,150.00
Snowmobile 2	per day		\$50.00 23	\$1,150.00
Snowmobile skimmer 1	per day		\$20.00 23	\$460.00
Snowmobile skimmer 2	per day		\$20.00 23	\$460.00
Truck	per day		\$50.00 23	\$1,150.00
Truck Trailer	per day		\$25.00 23	\$575.00
TOTAL				\$39,445.00

Staking/Prospecting				
Wages:		rate	units	total
Staker (Morgan Fraughton)	per day		\$400.00 1	\$400.00
Prospector/Staker (Morgan Fraughton)	per day		\$500.00 5	\$2,500.00
Staker (Jake Baptiste)	per day		\$400.00 1	\$400.00
Field Expense Costs				
Field Expenses	per day manday		\$100.00 7	\$700.00
EQUIPMENT RENTAL (per unit, per day)				
Snowmobile 1	per day		\$50.00 1	\$50.00
Snowmobile 2	per day		\$50.00 1	\$50.00
Snowmobile skimmer 1	per day		\$20.00 1	\$20.00
Snowmobile skimmer 2	per day		\$20.00 1	\$20.00
Truck	per day		\$50.00 3	\$150.00
Generator Rental	per day		\$15.00 5	\$75.00
Truck Trailer	per day		\$25.00 1	\$25.00
Flight/Assay Costs				
Fireweed Helicopters invoice	per invoice		\$3,217.00 1	\$3,217.00
Acme Labs Invoice	per invoice		\$518.30 1	\$518.30
TOTAL				\$8,125.30

STATEMENT OF QUALIFICATION

Statement Of Qualification

I Morgan Fraughton, the author of this report and worker on this project, have worked in the Yukon mineral exploration industry for 12 years in many different roles: Diamond driller, RC driller, Auger Driller, Soil Sampler, Prospector, Staker, Camp Manager, Project Manager. For the last 4 years I have mainly worked as an independent prospector on my own properties and that of others in both the placer and quartz mining fields in the Yukon.

Morgan Fraughton

March 31, 2017



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

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Submitted By: Morgan Fraughton
Receiving Lab: Canada-Whitehorse
Received: September 27, 2016
Report Date: October 11, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000319.1

CLIENT JOB INFORMATION

Project: PLA
Shipment ID:
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Morgan Fraughton
Box 1381
Dawson City Yukon Y0B 1G0
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	14	Dry at 60C			WHI
SS80	14	Dry at 60C sieve 100g to -80 mesh			WHI
AQ250_EXT_REE	14	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	14	Per sample shipping charges for branch shipments			VAN
BAT01	14	Batch charge of <20 samples			VAN

ADDITIONAL COMMENTS



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



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 2 of 2

Part: 1 of 4

CERTIFICATE OF ANALYSIS

WHI16000319.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1502304	Sediment	0.39	8.28	5.13	31.3	37	9.6	4.7	196	1.20	4.9	0.6	1.7	3.2	19.4	0.16	0.35	0.07	22	0.27	0.065
1502305	Sediment	0.40	6.28	11.66	25.7	80	6.8	4.9	302	1.13	5.7	0.5	0.2	5.0	15.5	0.14	0.32	0.05	19	0.21	0.044
1502306	Sediment	0.36	6.92	5.26	32.7	41	9.2	5.4	273	1.26	4.1	0.8	0.7	4.2	19.6	0.12	0.29	0.08	22	0.28	0.061
1502307	Sediment	0.40	8.64	4.83	34.7	43	10.5	5.1	167	1.26	5.1	0.6	0.6	2.7	18.1	0.11	0.41	0.09	22	0.26	0.064
1502308	Sediment	0.37	6.87	4.85	31.3	31	8.9	4.9	225	1.19	3.9	0.6	<0.2	6.9	17.9	0.15	0.30	0.05	23	0.25	0.056
1502309	Sediment	0.46	7.56	3.59	37.5	25	11.5	5.9	252	1.35	3.8	0.8	0.2	4.7	24.5	0.14	0.33	0.06	26	0.34	0.072
1502310	Sediment	0.24	5.11	3.60	26.0	18	8.2	3.7	129	1.08	2.7	0.5	0.3	4.6	18.2	0.07	0.23	0.04	24	0.26	0.054
1502311	Sediment	0.43	9.39	4.81	36.6	41	11.2	5.5	209	1.27	5.2	0.5	0.6	2.7	21.2	0.13	0.36	0.07	23	0.30	0.060
1502312	Sediment	0.40	7.65	5.15	34.9	35	10.1	4.9	197	1.20	4.5	0.6	0.6	4.0	21.1	0.14	0.33	0.07	23	0.31	0.064
1502313	Sediment	0.30	5.80	4.29	29.4	34	8.7	4.2	161	1.14	3.7	0.6	1.1	4.5	19.6	0.09	0.28	0.06	24	0.28	0.060
1502314	Sediment	0.34	6.89	4.80	32.1	30	10.0	4.8	179	1.27	4.1	0.7	1.3	6.6	21.0	0.10	0.34	0.07	27	0.29	0.061
1502315	Sediment	0.25	5.64	4.58	26.9	27	8.2	3.8	117	0.98	3.1	0.5	0.9	4.5	18.1	0.08	0.26	0.05	19	0.26	0.051
1502316	Sediment	0.26	5.00	4.35	23.1	19	7.0	4.0	157	0.87	3.8	0.4	0.7	4.2	18.1	0.07	0.23	0.05	15	0.24	0.040
1502317	Sediment	0.53	6.85	5.76	32.4	22	10.6	7.9	464	1.74	8.3	0.7	1.0	9.6	22.5	0.13	0.29	0.06	27	0.32	0.048



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 2 of 2

Part: 2 of 4

CERTIFICATE OF ANALYSIS

WHI16000319.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1502304	Sediment	12.1	11.1	0.23	175.1	0.038	<20	0.57	0.008	0.03	0.6	1.6	0.03	<0.02	17	<0.1	<0.02	1.7	0.32	<0.1	<0.02	
1502305	Sediment	13.0	8.5	0.19	119.9	0.035	<20	0.49	0.007	0.03	<0.1	1.2	0.03	<0.02	16	<0.1	<0.02	1.7	0.24	<0.1	<0.02	
1502306	Sediment	16.5	11.8	0.24	180.9	0.037	<20	0.66	0.008	0.03	0.2	1.9	0.04	<0.02	26	0.1	<0.02	2.0	0.37	<0.1	<0.02	
1502307	Sediment	11.1	12.3	0.24	163.0	0.034	<20	0.58	0.010	0.04	0.2	1.7	0.04	<0.02	15	<0.1	<0.02	1.8	0.33	<0.1	<0.02	
1502308	Sediment	17.2	11.6	0.23	151.3	0.042	<20	0.53	0.008	0.04	<0.1	1.6	0.03	<0.02	10	<0.1	<0.02	1.6	0.26	<0.1	<0.02	
1502309	Sediment	16.1	16.6	0.31	160.7	0.049	<20	0.63	0.009	0.08	0.5	1.7	0.05	<0.02	10	<0.1	<0.02	1.7	0.37	<0.1	0.02	
1502310	Sediment	17.5	13.4	0.22	120.2	0.046	<20	0.46	0.008	0.03	0.9	1.4	0.03	<0.02	10	<0.1	<0.02	1.5	0.22	<0.1	0.02	
1502311	Sediment	11.6	13.2	0.28	183.9	0.037	<20	0.61	0.009	0.04	0.3	1.7	0.04	<0.02	19	<0.1	<0.02	1.8	0.33	<0.1	<0.02	
1502312	Sediment	13.7	12.3	0.25	181.3	0.040	<20	0.61	0.008	0.03	0.5	1.9	0.04	<0.02	46	<0.1	<0.02	2.0	0.33	<0.1	<0.02	
1502313	Sediment	14.3	12.7	0.22	148.0	0.042	<20	0.54	0.008	0.03	0.5	1.7	0.03	<0.02	82	<0.1	<0.02	1.6	0.28	<0.1	<0.02	
1502314	Sediment	17.0	13.6	0.25	173.0	0.047	<20	0.57	0.009	0.03	1.0	1.8	0.04	<0.02	20	<0.1	<0.02	2.0	0.34	<0.1	<0.02	
1502315	Sediment	13.3	11.1	0.22	140.0	0.040	<20	0.52	0.008	0.03	0.1	1.5	0.03	<0.02	14	<0.1	<0.02	1.6	0.28	<0.1	<0.02	
1502316	Sediment	12.2	10.1	0.22	109.5	0.040	<20	0.49	0.007	0.02	<0.1	1.5	0.02	<0.02	8	<0.1	<0.02	1.7	0.20	<0.1	<0.02	
1502317	Sediment	20.5	21.4	0.34	136.6	0.057	<20	0.69	0.008	0.03	0.2	2.0	0.02	<0.02	13	0.1	<0.02	2.3	0.19	<0.1	0.03	



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 2 of 2

Part: 3 of 4

CERTIFICATE OF ANALYSIS

WHI16000319.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
1502304	Sediment	0.38	3.5	0.2	<0.05	0.5	4.99	22.0	<0.02	<1	0.2	5.5	2.76	10.14	1.85	0.31	1.52	0.20	1.08	0.21	0.50	
1502305	Sediment	0.40	3.2	10.1	<0.05	0.4	4.14	22.4	<0.02	<1	0.2	4.2	2.74	9.46	1.59	0.28	1.33	0.17	0.87	0.16	0.43	
1502306	Sediment	0.33	4.3	0.3	<0.05	0.2	5.62	29.1	<0.02	<1	<0.1	6.6	3.64	13.05	2.20	0.34	1.68	0.24	1.29	0.23	0.52	
1502307	Sediment	0.30	3.6	0.3	<0.05	0.3	4.79	21.4	<0.02	<1	0.1	5.4	2.41	9.71	1.78	0.32	1.43	0.21	1.09	0.19	0.49	
1502308	Sediment	0.42	3.4	1.0	<0.05	0.6	5.62	29.5	<0.02	<1	0.2	4.8	3.40	12.06	2.25	0.32	1.84	0.22	1.03	0.22	0.56	
1502309	Sediment	0.41	6.5	0.2	<0.05	0.7	4.92	28.8	<0.02	<1	0.2	6.8	3.07	12.82	2.16	0.37	1.64	0.20	1.06	0.18	0.51	
1502310	Sediment	0.45	2.5	0.2	<0.05	0.9	4.60	29.5	<0.02	<1	0.2	4.1	3.46	12.44	2.07	0.39	1.76	0.17	0.98	0.16	0.47	
1502311	Sediment	0.46	3.7	0.3	<0.05	0.6	4.75	21.4	<0.02	<1	0.1	6.2	2.40	9.85	1.88	0.35	1.67	0.18	1.15	0.20	0.45	
1502312	Sediment	0.45	3.7	0.2	<0.05	0.8	5.04	24.2	<0.02	<1	0.2	6.5	2.97	10.72	2.02	0.35	1.77	0.21	1.04	0.19	0.53	
1502313	Sediment	0.43	3.2	0.2	<0.05	0.9	4.74	26.8	<0.02	<1	0.1	5.4	3.30	11.74	2.05	0.29	1.74	0.21	1.25	0.19	0.49	
1502314	Sediment	0.48	3.3	0.2	<0.05	1.0	5.19	29.6	<0.02	<1	0.2	6.0	3.85	13.00	2.41	0.38	1.77	0.24	1.21	0.22	0.52	
1502315	Sediment	0.38	3.1	0.6	<0.05	0.6	4.17	23.8	<0.02	<1	0.1	4.4	2.72	10.11	1.87	0.31	1.61	0.20	1.01	0.19	0.51	
1502316	Sediment	0.42	2.7	0.2	<0.05	1.0	3.71	20.0	<0.02	<1	0.1	3.8	2.61	8.73	1.50	0.24	1.08	0.15	0.87	0.17	0.41	
1502317	Sediment	0.57	3.0	0.2	<0.05	1.3	5.00	34.3	<0.02	<1	0.2	4.2	4.16	13.93	2.46	0.29	1.92	0.23	1.23	0.21	0.55	



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 2 of 2

Part: 4 of 4

CERTIFICATE OF ANALYSIS

WHI16000319.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250
		Tm	Yb	Lu	Pd	Pt
Unit		ppm	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.02	10	2
1502304	Sediment	0.07	0.43	0.07	<10	<2
1502305	Sediment	0.07	0.44	0.05	<10	<2
1502306	Sediment	0.08	0.50	0.08	<10	<2
1502307	Sediment	0.07	0.34	0.06	<10	<2
1502308	Sediment	0.08	0.46	0.07	<10	<2
1502309	Sediment	0.07	0.44	0.05	<10	<2
1502310	Sediment	0.06	0.43	0.06	<10	<2
1502311	Sediment	0.07	0.44	0.05	<10	<2
1502312	Sediment	0.07	0.48	0.06	<10	<2
1502313	Sediment	0.06	0.46	0.05	<10	<2
1502314	Sediment	0.07	0.48	0.06	<10	<2
1502315	Sediment	0.06	0.41	0.05	<10	<2
1502316	Sediment	0.06	0.36	0.05	<10	<2
1502317	Sediment	0.07	0.49	0.06	<10	<2



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 1 of 1

Part: 1 of 4

QUALITY CONTROL REPORT

WHI16000319.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1502309 Sediment	0.46	7.56	3.59	37.5	25	11.5	5.9	252	1.35	3.8	0.8	0.2	4.7	24.5	0.14	0.33	0.06	26	0.34	0.072	
REP 1502309 QC	0.45	7.55	4.62	38.0	33	10.6	6.0	269	1.37	3.8	1.0	1.1	3.7	25.2	0.12	0.29	0.06	27	0.35	0.071	
Reference Materials																					
STD DS10 Standard	14.30	148.48	167.35	358.0	2268	72.5	12.8	920	2.76	47.2	2.8	77.8	8.4	73.0	2.83	9.92	13.49	42	1.09	0.079	
STD DS10 Standard	14.49	152.84	151.86	362.8	1926	76.3	12.9	898	2.72	45.9	3.1	103.4	6.9	70.5	2.67	9.14	12.43	43	1.05	0.077	
STD OREAS45EA Standard	1.76	695.09	16.60	33.9	285	385.8	52.8	419	21.77	12.2	1.9	60.5	11.3	4.3	0.04	0.41	0.28	301	0.03	0.029	
STD OREAS45EA Standard	1.70	694.27	13.39	30.3	245	397.9	51.5	411	21.95	11.2	1.6	55.5	9.2	3.6	0.04	0.37	0.26	306	0.03	0.028	
STD DS10 Expected	13.6	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	
STD OREAS45EA Expected	1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029	
BLK Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	
BLK Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 1 of 1

Part: 2 of 4

QUALITY CONTROL REPORT

WHI16000319.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1502309	Sediment	16.1	16.6	0.31	160.7	0.049	<20	0.63	0.009	0.08	0.5	1.7	0.05	<0.02	10	<0.1	<0.02	1.7	0.37	<0.1	0.02
REP 1502309	QC	11.7	15.7	0.31	166.1	0.053	<20	0.66	0.008	0.08	0.5	1.6	0.05	<0.02	16	<0.1	<0.02	2.0	0.41	<0.1	<0.02
Reference Materials																					
STD DS10	Standard	18.6	50.7	0.78	447.6	0.081	<20	1.04	0.071	0.33	3.2	2.7	5.57	0.30	301	2.2	5.12	4.3	2.85	<0.1	0.04
STD DS10	Standard	17.4	56.3	0.78	432.7	0.082	<20	1.02	0.070	0.33	2.7	2.9	5.02	0.28	264	1.9	4.79	4.2	2.58	<0.1	0.04
STD OREAS45EA	Standard	7.8	819.5	0.09	161.3	0.103	<20	3.32	0.020	0.05	<0.1	80.6	0.06	0.04	15	1.3	0.11	13.0	0.72	0.3	0.47
STD OREAS45EA	Standard	7.0	855.2	0.10	140.6	0.099	<20	3.28	0.022	0.06	<0.1	78.7	0.05	0.04	11	0.9	0.10	11.7	0.66	0.4	0.55
STD DS10 Expected		17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3	2.63	0.08	0.06
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4	0.71	0.26	0.68
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 1 of 1

Part: 3 of 4

QUALITY CONTROL REPORT

WHI16000319.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Pulp Duplicates																					
1502309	Sediment	0.41	6.5	0.2	<0.05	0.7	4.92	28.8	<0.02	<1	0.2	6.8	3.07	12.82	2.16	0.37	1.64	0.20	1.06	0.18	0.51
REP 1502309	QC	0.42	7.4	0.9	<0.05	0.7	4.52	20.7	<0.02	<1	0.1	6.2	2.40	8.92	1.56	0.27	1.25	0.18	1.03	0.18	0.53
Reference Materials																					
STD DS10	Standard	1.20	30.1	1.8	<0.05	2.0	8.10	36.1	0.25	49	0.9	20.0	4.23	15.57	2.53	0.54	2.24	0.29	1.72	0.30	0.84
STD DS10	Standard	1.14	27.3	1.8	<0.05	1.9	7.38	34.3	0.20	48	0.5	19.9	3.68	14.61	2.61	0.55	2.00	0.28	1.53	0.29	0.86
STD OREAS45EA	Standard	0.10	8.3	1.0	<0.05	18.8	5.78	18.8	0.10	<1	0.4	2.6	2.20	8.56	2.05	0.54	1.57	0.28	1.63	0.32	0.89
STD OREAS45EA	Standard	0.07	6.9	0.9	<0.05	19.0	5.27	17.4	0.08	<1	0.4	2.3	1.90	7.33	1.66	0.45	1.44	0.25	1.63	0.30	0.88
STD DS10 Expected		1.25	27.7	1.6		2.2	7.77	37	0.23	50	0.63	19.4	3.89	14.07	2.51	0.48	2.17	0.29	1.53	0.29	0.79
STD OREAS45EA Expected		0.09	7.5	0.83		23	5.09	17.7	0.08		0.41	2.37	1.91	7.6	1.65	0.45	1.5	0.26	1.54	0.29	0.77
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Morgan Fraughton**
Box 1381
Dawson City Yukon Y0B 1G0 Canada

Project: PLA
Report Date: October 11, 2016

Page: 1 of 1

Part: 4 of 4

QUALITY CONTROL REPORT

WHI16000319.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250
		Tm	Yb	Lu	Pd	Pt
Unit		ppm	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.02	10	2
Pulp Duplicates						
1502309	Sediment	0.07	0.44	0.05	<10	<2
REP 1502309	QC	0.06	0.42	0.06	<10	<2
Reference Materials						
STD DS10	Standard	0.12	0.81	0.12	99	195
STD DS10	Standard	0.10	0.79	0.13	125	192
STD OREAS45EA	Standard	0.12	0.84	0.12	70	107
STD OREAS45EA	Standard	0.13	0.78	0.11	58	104
STD DS10 Expected		0.11	0.74	0.11	110	191
STD OREAS45EA Expected		0.11	0.76	0.11	66	108
BLK	Blank	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<10	<2