TECHNICAL REPORT
ON THE HERBERT GOLD PROPERTY

JUNEAU DISTRICT, SOUTHEAST ALASKA

Prepared for:

Grande Portage Resources Ltd.
Suite 280 – 1090 West Georgia Steet
Vancouver, BC V6E 3V7

Prepared by:
Dave Webb, Ph.D., P. Geol., P.Eng. Q.P.

DRW Geological Consultants Ltd.

June 11, 2019

Effective Date:
June 11, 2019

Certificate of Qualifications

I, Dave R. Webb, Ph.D., P.Geol., P.Eng. (Lic 601, NAPGEGG), herby certify that:

1) I am a consulting geologist with a business address at 6120 185A St., Surrey, B.C., V3S 7P9

2) I am a graduate of:

1. the University of Toronto (1981) in Geological Engineering. (B.A.Sc. (Engineering))
2. Queen's University (1983) in Geological Sciences. (M.Sc.)
3. The University of Western Ontario (1992) in Geological Sciences. (Ph.D.)

3) I am a registered Professional Geologist and Professional Engineer in good standing with the Association of Professional Engineers and Geoscientists of the Northwest Territories (NAPEG) (L601).

4) I have worked as a geologist for a total of 38 years since graduation from university. I have work experience in Canada, the United States of America, Mexico, Asia, Europe and Africa. Specific experience with mineralization and resource estimation in lode gold deposits has been:

1. From 1981 to 1986 I was employed part time by Cominco at the Con Mine in Yellowknife (a lode gold deposit) as a research geologist and production geologist. In this capacity I did reconciliation and reserve forecasts (resource estimation).
2. My education (item 2 (above) included an M.Sc. on structural and stratigraphic controls on gold mineralization at the Con Mine (an orogenic gold deposit, and a Ph.D. on controls on gold mineralization in Yellowknife (an orogenic gold camp with over 14 million ounces of past production.
3. I staked and vended the Nicholas Lake property and participated in its development to be the largest granite-hosted gold orogenic deposit in the Northwest Territories.
4. I purchased the Mon Property from Cominco Ltd in 1988 and discovered the down-dip extension of the high-grade A-Zone, completed the ore reserves and with financial and mining support, brought the mine into production. It operated profitably for seven years.
5. I staked and vended the Discovery Project, and then lead the team as a director and then CEO to the discovery and development of the Ormsby Zone. This is the largest undeveloped lode gold deposit in the Yellowknife Gold Belt.
6. As a consultant, I completed the ore reserve portion of a Feasibility Study (with Cominco Engineering Ltd.) on the orogenic Bumbat Gold Mine in Mongolia.
7. As CEO, I targeted and then developed with my team, the Clan Lake Main Zone, the second largest orogenic gold deposit in the Yellowknife Gold Belt.
8. As owner, I completed a re-evaluation of the past-producing Mon Gold Mine and identified additional potential. I obtained all permits and licenses need to recommence mining on a limited basis, making this the most recently permitted orogenic gold deposit in the Northwest Territories.
9. I completed a Mineral Resource Estimate for clients on orogenic gold deposits in Tanzania and the USA.

10. I completed an earlier Mineral Resource estimate for Grande Portage on the Herbert Gold Project, the topic of this report.

5) I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirement to be a "qualified person" for the purposes of NI 43-101.

6) I am responsible for the technical report “TECHNICAL REPORT ON THE HERBERT GOLD PROPERTY” and dated July 12, 2018, revised July 12, 2018 prepared for Grande Portage Resources Ltd. (the "Technical Report"). I visited the core shack and property in February 26-28, 2018.

7) I was coauthor of a previous technical report in 2013 on the property that is the subject of the Technical Report.

8) I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

9) I am not independent of the issuer and the vendor applying all of the tests in section 1.5 of National Instrument 43-101.

10) I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

11) I consent to the filing of the Technical Report with any stock exchange or other regulatory Authority and any publication by them, including electronic publication in the public company files on their websites accessible to the public, provided that I am given the opportunity to read the written disclose before filed to ensure its authenticity.

12) I have read this the document entitled “TECHNICAL REPORT ON THE HERBERT GOLD PROPERTY” and dated June 13, 2019.

Dated this 11th Day of June, 2019

Dr. D.R. Webb, Ph.D., P.Geol. P. Eng.

“signed”

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1 SUMMARY (Item 1)

Grande Portage Resources Ltd. (GPR) has retained DRW Geological Consultants Ltd. to prepare a technical report (the Report) on the Herbert Gold Property (the Property) in accordance with National Instrument 43-101 (NI 43-101) and Form 43-101F. Grande Portage Resources Ltd. is a publicly traded mineral exploration company focused primarily on precious metals in Alaska. This Report is an update on the last report filed in July 2018. The changes in this Report are the results of the 2018 drilling program and additional metallurgical test work.

The Herbert Gold Property consists of 91 federal mining claims covering approximately 1,881 acres located 32 kilometers north of Juneau, Alaska. The infrastructure is well developed in this area. The Property is 6 km from a paved highway, 10 kilometers from a power line and 10 kilometers from tidewater.

The Property is wholly-owned by GPR. An annual advance royalty payment is payable on the property.

The Property is located within the historic, 160 kilometer-long Juneau Mining District (JMD) which hosts over 200 gold-quartz-vein deposits with production nearing 7,000,000 ounces of gold since 1880. More than three-quarters of Alaska's lode gold was mined from the Juneau gold belt. Most of the prospects and mines within the JMD are in close proximity to the Coastal Range Megalineament – a major crustal structure defined by northwest – striking, moderately to steeply dipping, penetrative foliation. This structure is parallel to the boundary between the Gravina Belt to the west and the Taku terrane to the east. Regional metamorphism and deformation, including the Coastal Range Megalineament, are linked to the emplacement of multiple intrusive bodies of varied composition.

Historic production from the Juneau Mining District was mainly from mesothermal quartz veins and stringers hosted by greenschist to amphibolite – facies metasedimentary rocks and relatively competent igneous bodies. Many of the mineralized veins in the Juneau District extend over significant distances along strike and down-dip. The Juneau gold belt has been Alaska's largest lode gold producer, yielding approximately 6.8 million ounces of gold, largely from the Alaska-Juneau and Treadwell mines. The Kensington Mine, owned by Coeur Mining Inc. operates within this belt approximately 45 km north of the Herbert Gold Property.

The empirical relationship between orogeny and gold- vein formation in the Juneau gold belt is well established. A belt of tonalitic plutons intruded approximately 5 km east of the megalineament between 68-61 Ma (Barker et al., 1986; and Wood et al., 1991). The tonalities are believed to have been the primary source of heat and fluids that produced the gold deposits.

The resource estimation was prepared D.R. Webb P. Geol., P.Eng who is the Qualified Person for this report within the meaning of NI 43-101 and is responsible for all aspects of the Technical Report Quality.

Bulk density for the Herbert Property mineralized rock is 2.757 g/cc (average of 30 mineralized samples).

The results from a total of 154 diamond drill holes and 4 trenches and two channel samples comprised the digital database for this study. This resource estimate is updated from the Mineral Resource reported in 2015. Several exploratory drill holes also encountered other targets. Utilizing a base case cut-off of 2.5 gpt, the eight veins on the property host an Indicated Mineral Resource of 1,880,500 tonnes at a grade of 10.03 gpt (606,500 ounces of gold) and an Inferred Mineral Resource of 553,400 tonnes at a grade of 14.15 gpt (251,700 ounces of gold) using a 125 gpt top cut.

In Table 1 mineral resources are highlighted above a 2.5 gpt cut off, assuming an average gold price of $1,300 per ounce. This cut off reflects the potential economic, marketing and other issues relevant to an underground shrinkage stope mining scenario based on a conventional mill operation.

Table 1. Herbert Property NI 43-101 uncut Indicated and Inferred Mineral Resource Statement.

Herbert Property NI 43-101 Indicated and Inferred Mineral Resource Statement			
Total Indicated			
Cut-off (gpt)	**Tonnes**	**Au Grade (gpt)**	**Ounces Au**
3.0	1,431,600	12.33	567,450
2.5	**1,880,500**	**10.03**	**606,500**
2.0	2,636,100	7.80	660,930
Total Inferred			
Cut-off (gpt)	**Tonnes**	**Au Grade (gpt)**	**Ounces Au**
3.0	410,700	18.12	239,280
2.5	**553,400**	**14.15**	**251,700**
2.0	913,100	9.48	278,240

Metallic or screened assays were used in all instances where they were available (1,083 samples). All other assays are standard one assay ton results reported using ICP finish or where over limit (>10 gpt) are reported using gravimetric finish.

A series of cross sections were developed for each of nine different zones where correlations in gold assays, alteration zones, and multi-element data appear to exist down-dip on section and between sections. These correlations were corrected and modified as supported by surface mapping and geology.

MapInfo's 3D solid generation routine was used to construct three dimensional models from the sections. These were examined to conform to geology and all analytical data and adjusted where necessary.

Some areas of the Main Vein provided multiple options for correlations that were permissive by geology and sample geochemistry. The correlation that best matched surface geology was selected. The Deep Trench vein was remarkable in the simplicity and consistency of a very planar orientation of the correlations.

Block model parameters are based on geostatistical applications. Based on numerous iterations, it was decided that the Inverse Distance Squared (ID^2) method was appropriate. It was determined that a block model using tabular-shaped blocks 1.5m thick, and 8m x 8m in the plane of the vein provided suitable detail without creating an unnecessarily large database. This was applied to all veins. The raw and composited assay data for the veins display a mixture of three populations on the lognormal probability plots. These can be modeled smoothly without any obvious outliers that can over-influence the estimation and to account for the nugget effect. Statistical studies showed that capping could be supported a 125 gpt gold. This was applied to all veins. The resource remains open in multiple directions along these defined veins.

The long axis of the blocks is aligned with the strike of the structural domain, and the shorter dimension is aligned perpendicular to the strike direction. Interpolation parameters are defined based on a combination of geology, drill hole spacing and geostatistical analysis of the data. Individual structural zones, interpreted in the various deposit areas, are

segregated for modeling purposes and dynamic search orientations are utilized which retain vein geometry of the gold mineralization in the resource model.

A graphical validation was done on the block model where cross sections, plans, and a 3D examination were conducted, testing intersections, solids and surface boundaries, and geology. Additional models were constructed by removing selected drill holes to test for the robustness of the model. Each block appears to be well represented by the immediately adjoining composites as would be expected using the ID^2 method. A minimum of 2 and maximum of 8 composites were used to create each block, except for the Goat Main Vein where a minimum of 3 and a maximum of 8 composites were used to create each block. There is insufficient data to create meaningful variograms.

The resources are classified according to their proximity to the sample locations and are reported, as required by NI 43-101, according to the CIM Definition Standards for Mineral Resources and Mineral Reserves. Indicated resources comprise blocks that are situated within 60 meters of assays derived from drill holes or trenches.

2 INTRODUCTION (Item 2)

2.1 Terms of Reference and Purpose of the Report

This technical report was commissioned by Mr. Ian Klassen, President, Grande Portage Resources Ltd. (GPG) to update a mineral resource for the Herbert Property in Southeast Alaska. The new mineral resource estimate described in this report was prepared in accordance the with Canada National Instrument 43-101, Standards of Disclosure for Mineral Projects (NI 43-101) and Canadian Institute of Mining, Metallurgy and Petroleum (CIM) “Best Practices and Reporting Guidelines,

This report makes use of all relevant information provided by GPG and other information gathered by the author. The purpose of this report is to summarize and present applicable information regarding GPG’s Herbert Gold Project and provide an estimate of mineral resources contained within the property. The mandate also called for the author to recommend specific areas and methodologies (if warranted) for further exploration. The identification of these areas would be based on their observations and interpretations.

This report has been prepared to support public disclosure of the updated mineral resources and, as such, does not include information normally disclosed in items 15 through 22 of NI 43-101F1. The intended users of this report are GPG and its agents, as well as members of the general public via their company website or the SEDAR information filing system. SEDAR is the official site for public access to most securities documents and information filed with the Canadian Securities Administrator by public companies and investment funds.

2.2 Qualifications of Consultant

The author is familiar with the exploration techniques being applied by GPG on the Herbert Gold Property having been involved in previous technical reports and providing some specific advisory services to GPG in the past. As well, the author has participated in the Resource Estimation of other orogenic gold projects (see Certificate of Qualifications).

Dr. David Webb P.Geol., P.Eng. is a Qualified Person as described by NI 43-101. Dr. Webb completed all sections in this report.

2.3 Details of Site Inspection

Dr. Webb visited the Herbert Property from February 26 to 28, 2018. While on site, he conducted a low-level helicopter overflight (high snow pack at this time of year) seeing the general physical environment and observing two quartz veins with alteration. He also reviewed selected core and evaluated sampling methods and security protocols. A slabbed sample of the Goat vein was collected for assay.

2.4 Effective Date

Data used for the resource estimate were taken from drilling at the Herbert Property through October 2018. GPG provided a drill hole database update with the results of the 2018 exploration activities. The effective date of this report is June 13, 2019.

2.5 Sources of Information

This report is based upon data and information compiled by the author from a personal site inspection, published geological assessments and maps, raw data and technical reports by geologists and/or engineers (some independent and some in the employ of GPG). These sources of information are presented throughout this report. The Author has no reason to doubt the reliability of the information provided by GPG.

A rock sample was collected by the author and analyzed by Bureau Veritas Laboratories in Vancouver. The analyses were consistent with previous analytical results for the sample location.

2.6 Units of Measure

Unless otherwise stated, all measurements reported in this report are in metric units and currencies are expressed in 2019 US dollars.

3 RELIANCE ON OTHER EXPERTS (Item 3)

This report is based upon personal examination by the Author of all available reports and maps on the Herbert property, as well the site examination carried out on February 2018 to appraise the geological setting and assess its precious metal potential.

The qualified person is not relying on any other experts for technical information material to this report. The Author is not aware of any material fact or material change with respect to the subject matter of this technical report that is not presented in this report, which the omission to disclose would make this report misleading.

All information regarding property ownership and permitting available on the Alaska Government Website is consistent with GPG's records. The author has not made any attempt to verify the legal status and ownership agreements of the Herbert Property, nor are they qualified to do so and have not made any attempt to verify the permitting status of the property. The author has relied upon the Alaska Government Website for information on the status of property title, agreements, permit status and other pertinent conditions.

The author conducted an on-line search of the Herbert Property status by utilizing the Alaska Mapper Program. (http://dnr.alaska.gov/mapper/controller?gsid=AC1E2337E2485E92A31339115284C31D.tomcat-90) results of this search are presented in Item 4. Political, financial or other similar issues are all deemed to be outside the scope of this report.

4 PROPERTY LOCATION AND DESCRIPTION (Item 4)

4.1 Area and Location

The Herbert Property is situated in UTM Zone 8 between 516,600m and 521,000 East, 6,485,200m and 6,488,700m North (NAD 83 Alaska) in southeastern Alaska approximately 32 kilometers north of Juneau (Fig. 1). The project lies entirely within the Juneau 1:250,000 map sheet, and within the Juneau C-3 and C-2 1:63,000 quadrangles.

Elevations on the property range from 40m to 1,200m above mean sea level. The property comprises 91 Federal claims registered under the legal names listed in Table 1. The aggregate area of the claims is 761.5 hectares (1881 acres). The claims are situated within Townships 38 and 39S and Range 65E of the Copper River Meridian.

Annual fees of $13,000 are payable to the Alaska Bureau of Lands for claim fees. This amount was paid in August 2018 and GPG intends to pay these fees in the coming years.

4.2 Claims and Agreements

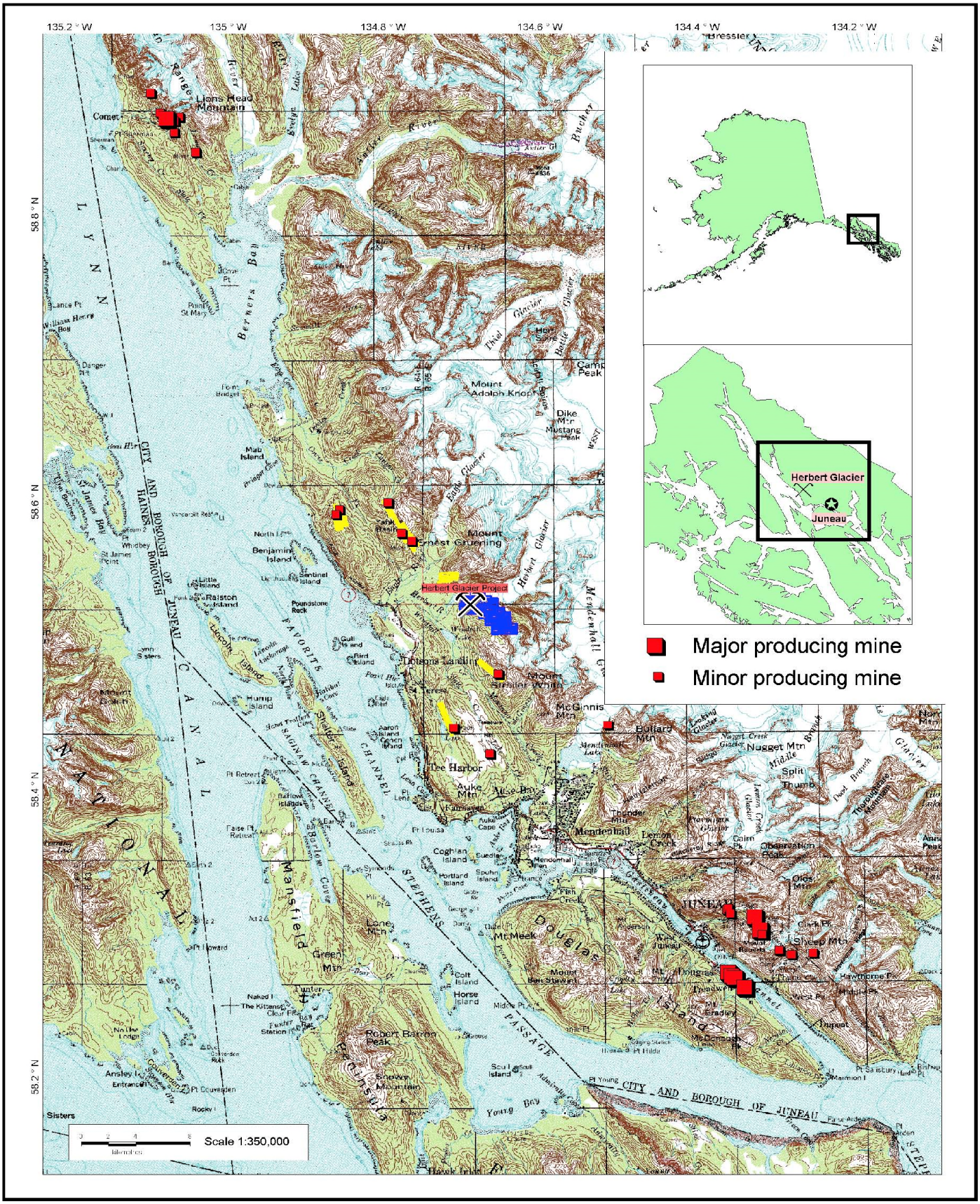

Figure 1. Location of Herbert Gold Project.

4.3 Claims and Ownership

The Herbert Gold Property consists of three groups of claims. Table 2 lists the currently active claims at the effective date. The central 17 claims, shown in yellow, were the original claims acquired by Juneau Exploration and Development Inc. ("JEDI") from Echo Bay Exploration Inc. in 1997. Quaterra Resources Ltd. (QR) and JEDI signed a mining lease agreement in April 2007, at which time 67 additional claims were staked and an area of interest around the 17 core claims agreed upon. A final set of 7 claims were added by QR in February 2008, bringing the current total to 91 active claims. There is no distinction between the claims within the agreements and all claims lie within the proscribed area of interest. Intent to hold filing for all claims have been properly recorded through June 1, 2019.

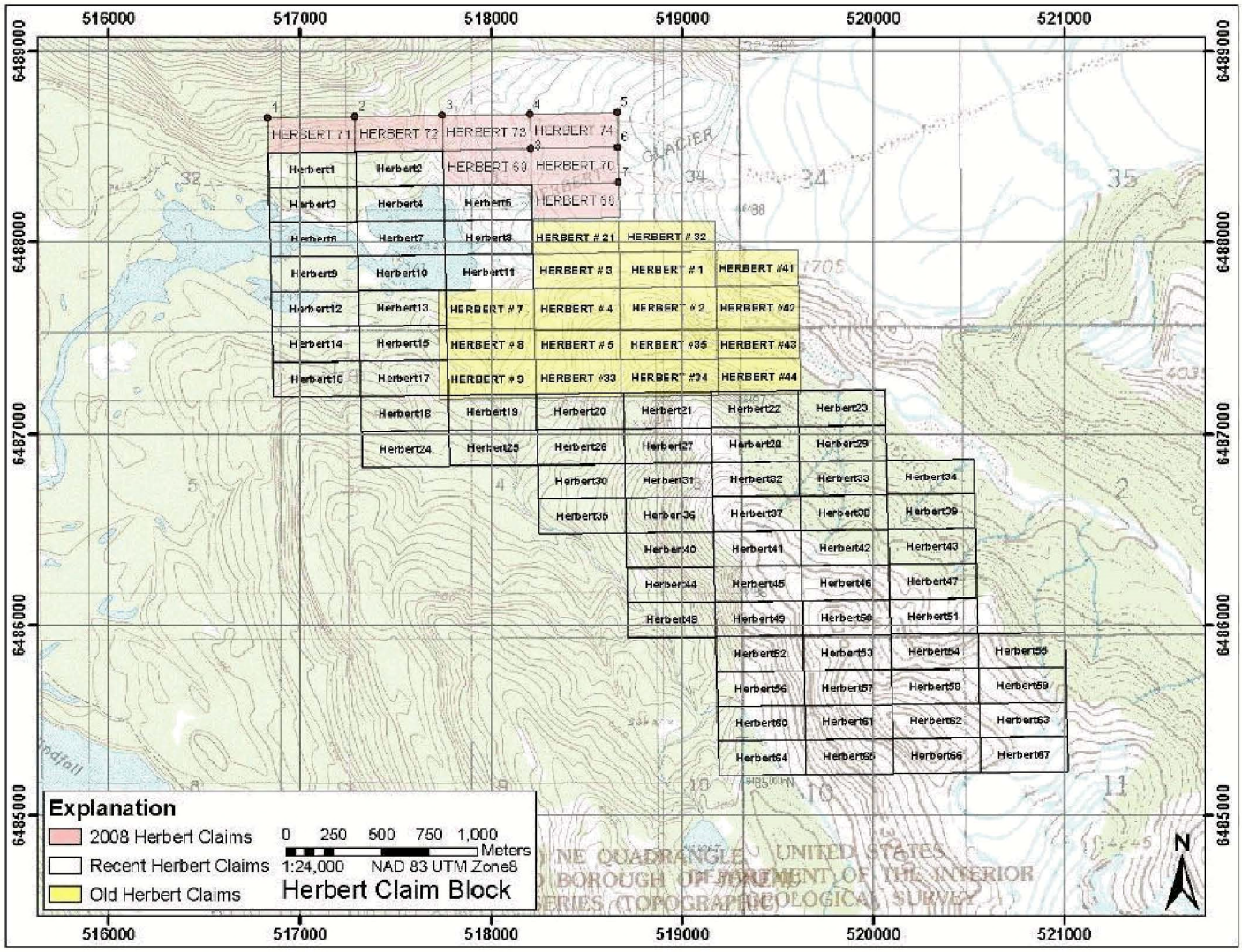

Figure 2 Herbert Property Claim Map

Table 2. Herbert Property Claim Status (June 1, 2019)

Claim Name	Claim Number	Claimant	Refresh Date	Status	Status Date
HERBERT 71	AKAA 087878	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 1	AKAA 087165	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 72	AKAA 087879	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018

HERBERT 2	AKAA	087166	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 4	AKAA	087168	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 73	AKAA	087880	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 69	AKAA	087876	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 5	AKAA	087169	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 8	AKAA	087172	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 74	AKAA	087881	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 70	AKAA	087877	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 68	AKAA	087875	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 21 WITNESS	AKAA	059383	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 3	AKAA	059365	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 32	AKAA	059394	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 1	AKAA	059363	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 2	AKAA	059364	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT #41	AKAA	059989	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT #42	AKAA	059990	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT 20	AKAA	087184	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 26	AKAA	087190	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT #35	AKAA	059983	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT #34	AKAA	059982	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT 21	AKAA	087185	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 27	AKAA	087191	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 31	AKAA	087195	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT #43	AKAA	059991	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT #44	AKAA	059992	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT 22	AKAA	087186	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 28	AKAA	087192	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 32	AKAA	087196	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 37	AKAA	087201	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 23	AKAA	087187	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 29	AKAA	087193	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 33	AKAA	087197	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 38	AKAA	087202	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 42	AKAA	087206	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 34	AKAA	087198	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 39	AKAA	087203	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 43	AKAA	087207	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 47	AKAA	087211	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 3	AKAA	087167	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 6	AKAA	087170	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 9	AKAA	087173	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 12	AKAA	087176	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 14	AKAA	087178	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 16	AKAA	087180	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 7	AKAA	087171	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 10	AKAA	087174	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 13	AKAA	087177	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 15	AKAA	087179	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 17	AKAA	087181	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 18	AKAA	087182	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018

HERBERT 11	AKAA	087175	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 7	AKAA	059369	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 8	AKAA	059370	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 9	AKAA	059371	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT 19	AKAA	087183	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 25	AKAA	087189	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 4	AKAA	059366	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT # 5	AKAA	059367	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT #33	AKAA	059981	JUNEAU EXPLORATION AND DEVELOPMENT INC	06/01/2019	RECORDED	12/17/2018
HERBERT 52	AKAA	087216	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
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HERBERT 63	AKAA	087227	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
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HERBERT 44	AKAA	087208	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 59	AKAA	087223	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
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HERBERT 50	AKAA	087214	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 45	AKAA	087209	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 40	AKAA	087204	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 35	AKAA	087199	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 55	AKAA	087219	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 51	AKAA	087215	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 24	AKAA	087188	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 46	AKAA	087210	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 41	AKAA	087205	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 36	AKAA	087200	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 30	AKAA	087194	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 64	AKAA	087228	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 65	AKAA	087229	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 60	AKAA	087224	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 66	AKAA	087230	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 61	AKAA	087225	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 56	AKAA	087220	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 67	AKAA	087231	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 62	AKAA	087226	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018
HERBERT 57	AKAA	087221	GPG ALASKA RESOURCES INC	06/01/2019	RECORDED	12/17/2018

The original 17 claims by Echo Bay makes no mention of an underlying royalty interest in these claims and they were sold unencumbered to a JEDI.

The Mining Lease signed by JEDI and QR has an effective date of November 1, 2007. The lease includes a sliding scale Net Smelter Return on production up to five percent (5%) when the price of gold exceeds $601 per troy ounce, and a minimum annual advance production royalty of up to a maximum of $30,000 payable to a JEDI after the tenth anniversary of the effective date.

On June 16, 2010 GPG optioned the property from a QR. The option agreement granted the right to earn 65% of the Herbert Property if:

- GPR spent at least $750,000 before June 15, 2011 to earn 51%
- GPR spent and additional $500,000 before June 15, 2012 to earn the full 65% interest

GPR has fulfilled both of these obligations and is fully vested at the 65% ownership interest.

On October 24, 2011 GPR and the QR signed a Joint Venture Agreement outlining the collective responsibilities between the JV participants. Funding is on a pro-rata basis, with standard dilution applying in the event either partner declines to participate.

On July 14, 2016 GPG announced an Acquisition Agreement had been signed whereby the Company issued to QR 1,182,331 common shares and pay QR the sum of US$250,000 upon either: (a) delivery of a feasibility report establishing that the Property can be profitably placed into commercial production, or (b) the change of control of the Company or the sale of the Property. The Acquisition Agreement also includes anti-dilution provisions, whereby QR will be issued additional common shares for no additional consideration, upon the Company's completion of equity financings to raise up to the next $1.0 million only, so that QR's equity interest in the Company will not be less than 9% of the then total issued common shares on a non-diluted basis. Finally, QR had been granted a right to participate in any future equity financings of the Company over the next $1.0 million, in order to maintain its equity interest in the Company at its then current equity interest in the Company on a non-diluted basis. This right has expired.

4.4 Environmental Liabilities

There are no known environmental liabilities associated with this property.

4.5 Other Significant Risks and Factors

The author knows of no other significant risks or factors that may affect title, access or the right or ability to perform work on the Herbert Property.

4.6 Permits

The property is entirely on Federal lands administered by the U.S. Forest Service. The area has a land use designation as semi-remote recreation with a minerals overlay. Forest lands within this designation are open to minerals exploration and development, and guidelines allow reasonable access according to the provisions of an approved Plan of Operations. Exploration on the property has proceeded under approved Plan of Operations since 2009; although at present the project likely will be impacted by the *Sequoia Forestkeeper v. Tidwell* lawsuit requiring all permits nationwide to undergo NEPA review including public notice, comment, and administrative appeals provisions. At the effective date of this report, the 2019 U.S. Forest Service Plan of Operations was still under review.

A baseline water sampling program by Admiralty Environmental started at the project site in 2012, concluding 2014. The purpose of the program was to assess baseline water quality at the Herbert project site prior to any major operations taking place. Admiralty Environmental, in consultation with some of the resource management agencies that would be part of the future permitting process, had selected ten surface sampling sites both above and below the proposed mining area. These locations have been analyzed for a wide range of materials including trace metals, solids, mineral content, cyanide and explosion residues such as nitrate and ammonia. Additional sampling in 2012 included groundwater sampling locations. The government agencies will eventually use the data collected to draft permits and establish monitoring regimes based on potential environmental impacts to the site.

A City/Borough of Juneau exploration permit had been submitted has been approved as of the date of this report.

5 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY (Item 5)

Note: Much of this material is excerpted from Van Wyck and Burnett, 2012 Technical Report on the Herbert Property.

The Herbert Property is located within the Juneau Recording District, approximately 32 km northwest of Juneau, Alaska – along the eastern shore of Lynn Canal (Figure 1). Juneau is not directly accessible by road, although there are road connections to several areas immediately adjacent to the city. Primary access to the city is by air and sea. Cars and trucks are transported to and from Juneau by barge or the Alaska Marine Highway ferry system. There are also several taxicab companies, and tour buses used mainly for cruise ship visitors.

The City and Borough of Juneau is a unified municipality located on the Gastineau Channel in the panhandle of the U.S. state of Alaska and the 2nd largest city in the United States by area. It has been the capital of Alaska since 1906, when the government of the then-District of Alaska was moved from Sitka as dictated by the U.S. Congress in 1900. Juneau International Airport serves the city and borough of Juneau. Delta Airlines and Alaska Airlines are commercial jet passenger operators servicing Juneau. Seattle is a common destination for Juneau residents. Wings of Alaska, Alaska Seaplanes, and Air Excursions offer scheduled flights on smaller aircraft to villages in Southeast Alaska. Some air carriers provide U.S. mail service.

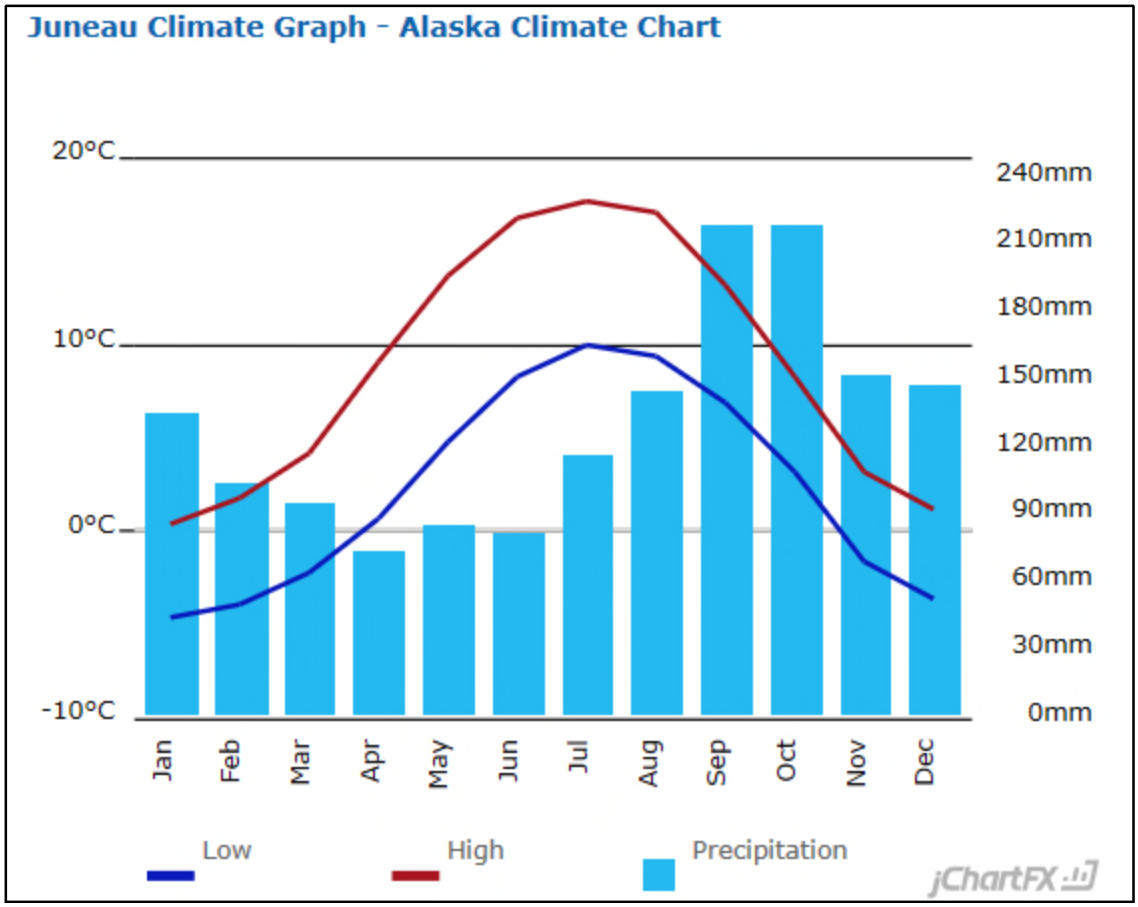
Juneau is a regional mining center supporting active mining operations at Greens Creek and Kensington. It is well provided with qualified support personnel. Other nearby communities including Haines and Skagway add to the potential employment base.

Access to the property is currently by helicopter from Juneau but the main public paved highway (Glacier Highway or Route 7) from Juneau to Berners Bay passes 5.5 km west of the property where it crosses the Herbert River. Physiographically, there is no obvious impediment for road access from the highway to the property along a route following the Herbert River. The most likely hurdle for direct access to the property from the public highway will be permitting, as this route is likely to include wetlands. The Herbert property lies on the western flank of the Coast Range Mountains. Terrain varies from moderate to rugged within the project area (Figure 2), ranging in elevation from 40m to 1200 meters above sea level. Vegetation ranges from dense alder brush to bare rock. The Herbert Glacier terminates at the eastern edge of the claim block. Its rapid retreat in the past 30 years is responsible for the recent exposure of large

areas of bare rock at low elevations. Bedrock exposure produced by this retreat is transitory, as rapid vegetation growth is advancing at a similar rate.

Photo 1. Photograph of Herbert Property

Juneau features a humid continental climate though just short of being subarctic. The city has a climate that is milder than its latitude may suggest, due to the influence of the Pacific Ocean. Winters are moist and long, but only slightly cold by Alaskan standards: the average low temperature is 23 °F (−5 °C) in January, and highs are frequently above freezing. Spring, summer, and fall are cool to mild, with highs peaking in July at 65 °F (18.3 °C). Snowfall averages 86.8 inches (220 cm) and occurs chiefly from November to March. Precipitation falls on an average 230 days per year, averaging 62.5 inches (1,590 mm) at the airport (1981–2010 normals), but ranging from 55 to 90 inches (1,400 to 2,290 mm), depending on location.[9] The spring months are the driest while September and October are the wettest months.



6 HISTORY (Item 6) (MOST OF THIS SECTION HAS BEEN EXCERPTED FROM Van Wyck and Burnett, 2012).

Early exploration of the property was hampered by the previous cover of the Herbert Glacier for the much of the last century. Glacial retreat has exposed additionl bedrock exposure during the past century. Two named prospects (St. Louis and Summit) and a 22 foot shaft at high elevations were identified in 1889 (Barnett and Miller, 2003). The Juneau Gold Belt hosts numerous high grade gold deposits that were active from 1883 until 1943 and is likely that the project area was prospected at that time. Current interest in the project area began in 1986 when claims were staked to cover several obvious quartz veins. At this time Houston Oil and Minerals discovered the main gold bearing quartz veins in outcrops recently exposed by the retreating ice. They drill tested these prospets with 8 holes (BQ size) totaling 1,100 m. Some of the historical data is somewhat vague as there was additional shallow “Winky” drilling with as much as 230 m completed from 11 holes. Although encouraging assay results from 19 dill holes, Echo Bay abandoned the property as part of their divestiture of its Alaskan proprterties.

In 1997, a group of three local prospectors (d.b.a. JEDI) purchased the core Herbert claims. In 2006 the property was brought to the attention of a previous owner who signed a mining lease with JEDI effective November 1, 2007. A field program in 2007 resulted in the collection of 299 rock ship, soil, and stream sediment samples and the initiation of a property wide geology map.

7 GEOLOGICAL SETTING AND MINERALIZATION (Item 7)

7.1 Regional Geology

The Herbert Property is situated in close proximity to the Coastal Shear Zone – a major crustal dislocation defined by northwest striking penetrative foliation. This structure parallels the boundary between the Gravina belt to the west and the Taku terrane to the east (Figure 3).

The Gravina belt comprises Upper Jurassic to Mid-Cretaceous marine argillite and greywacke, interbedded andesite to basaltic volcanic and volcaniclastic rocks, and plutons ranging from quartz diorite to peridotite (Gehrels and Berg, 1992 and 1994). The Taku terrane differs from the Gravina belt by having an older Permian to Triassic aged basement consisting of marbles, phyllites, pillowed basalts, and flysch-related rocks, which are overlain by Upper Jurassic to Mid-Cretaceous greywackes and, likely, related to similar aged rocks in the Gravina belt. Metamorphic grade ranges from greensckist to amphibolite facies and generally increases from west to east. Regional metamorphism and deformation, including the Coastal Shear Zone, are broadly linked to emplacement of multiple intrusive rocks in the Coast Mountains with isotopic ages ranging from 10 to 55 Ma (Gehrels and Berg, 1994).

7.2 Property Geology (excerpted from Van Wyck and Burnett, 2011)

Published regional geologic mapping (Figure 3) indicates that Herbert Gold project is largely hosted in units KPsv and TKt. To date the majority of the mapping and drilling has been within a quartz diorite stock or sill that hosts the mineralized veins. Although there is no independent mapping or geochronology evidence in support, it seems reasonable to correlate the quartz-diorite stock with regional map unit TKt and a belt of deformed metasedimentary rocks on the western edge of the claim block with map unit KPsv. Many drill holes from the western-most drill pads exited the diorite into strongly foliated metasedimentary rocks confirming the strongly tectonized contact between the two units. Herbert Gold Project consists of, at present, three principal and parallel sets of east-northeast- trending quartz veins hosted in quartz-diorite. The veins consistently dip steeply to the north with a minor NE trending vein set splaying off or intersecting the main vein set. Vein thicknesses range from several meters to decimeters and within the host structures occasionally several generations of veining can be observed. This leads to variable mineralized thicknesses noted both at the surface and in drill intercepts with mineralized widths up to 8 m true thickness occasionally encountered, but importantly even if vein thicknesses are variable, drilling at present shows consistent down-dip continuity of the host structures. Descriptions of closely adjacent prospects suggest that the quartz-diorite host is a unique feature to the Herbert Gold Project as the other prospects are all metasedimentary-hosted.

The mineralogy of the veins is dominantly quartz with lesser carbonate, arsenopyrite, pyrite, galena, sphalerite, scheelite and occasionally visible gold. Visible gold tends to occur associated with galena in the veins. Vein textures commonly show shearing, grain-size reduction and structural offsets indicating mineralization was continuous with deformation Alteration extends as much as several meters into the wallrock adjacent to the veining consisting of sericite, chlorite and carbonate-altered quartz diorite. As a result of the preferential erosion of the alteration selvages, steep walled canyons typically mark the locations of the veins on the project. These gullies are easily visible on aerial photos and provide a convenient prospecting tool.

Mineralization

Gold mineralization is associated with sulphide-bearing quartz veins that are constrained to structures transecting lithologies, including the predominant host rock, quartz diorite. Minor gold values have been obtained in schistose rocks,

generally adjacent to quartz diorite units. These quartz veins are generally east-west +/- striking and occupy recessively weathering domains within the quartz diorite.

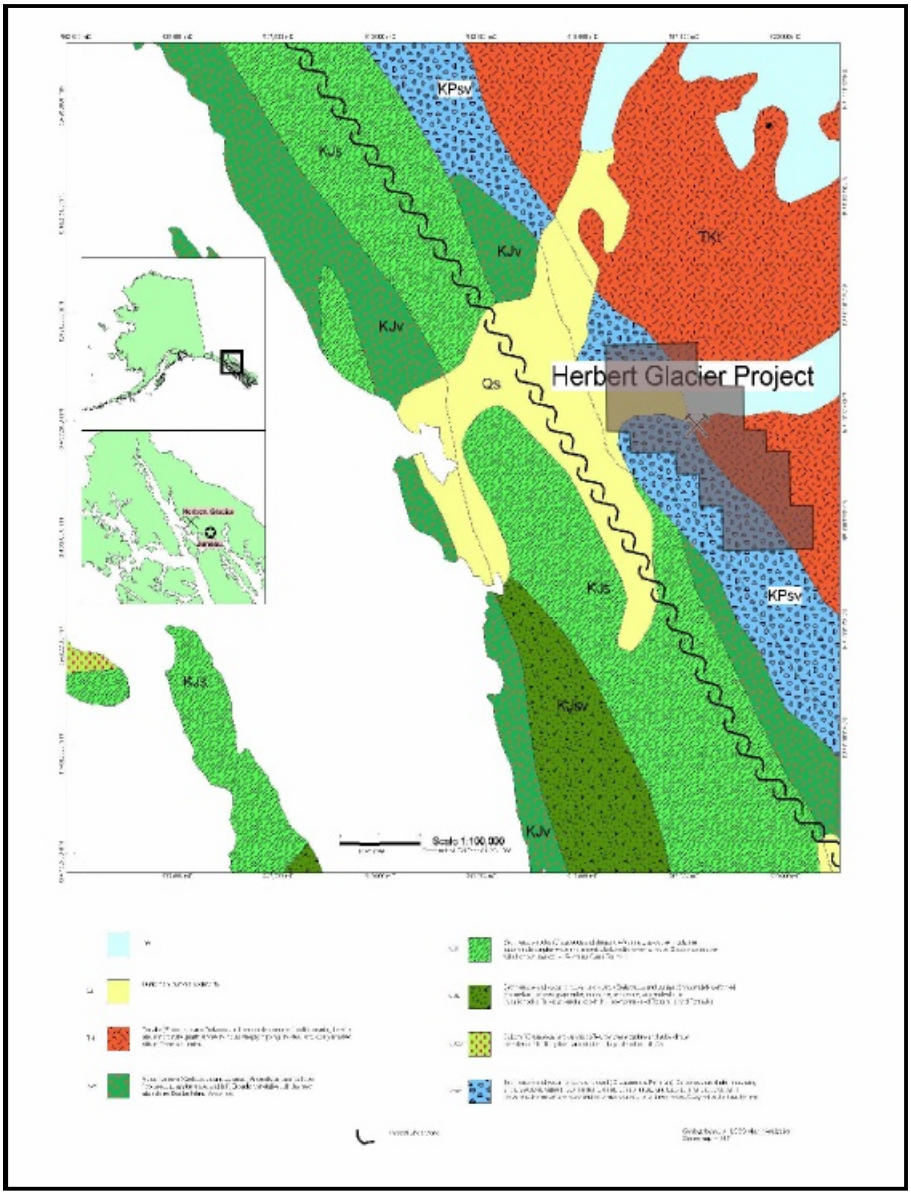


Figure 3 Local Geology of Herbert Property Area

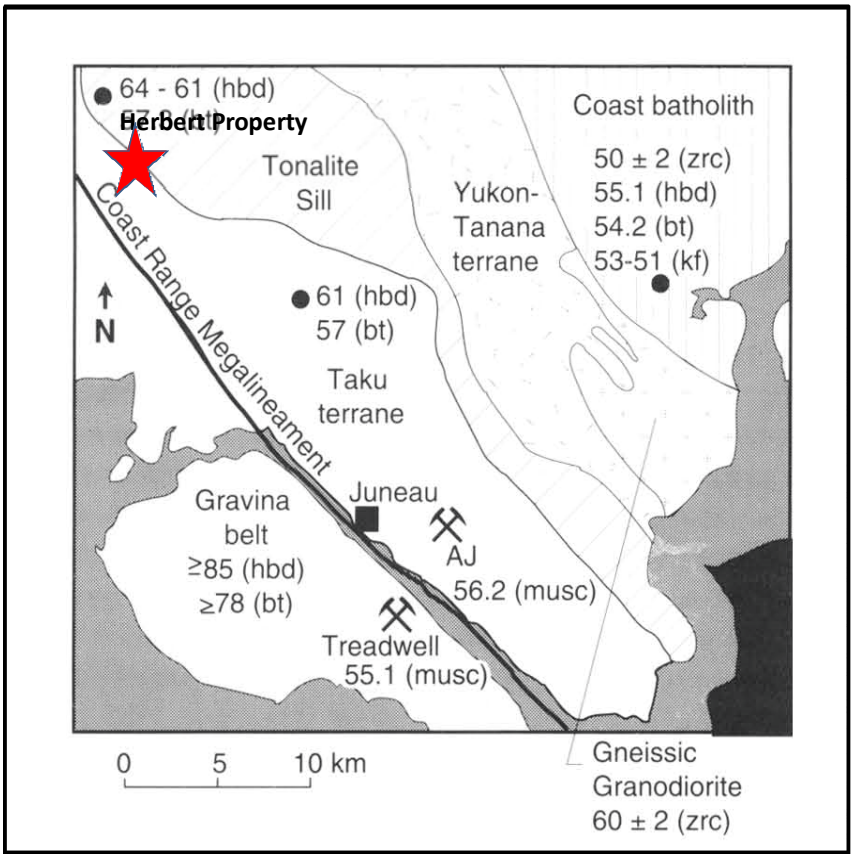
Photo 2. Photo of the Goat Vein structure (purple line), viewed to the east (C. Hale, 2018).

Photo 3. Crew cutting a conventional channel sample on the Goat Vein. (C. Hale, 2018).

8 Deposit Types (Item 8)

The Juneau District hosts a variety of mesothermal gold deposits hosted within metamorphosed sedimentary rocks (schists) and associated intrusions within structurally controlled settings. These appear to be related to the large Coast Range Megalineament.

The Juneau Gold Belt (JGB) has been Alaska's largest lode gold producer, yielding approximately 6.8 million ounces of gold, largely from the Alaska-Juneau and Treadwell mines. An equal amount of gold reserves are estimated to be still present within the Alaska-Juneau and Kensington mines (Swainbank *et al.*, 1991. Deposits of the JGB are located on either side and within a few kilometers of a major crustal structure termed the Coast Range Megalineament (Figure 3). Auriferous veins show a strong spatial association with the relatively competent igneous bodies of varied composition: These rocks are, however, much older than the veining (Goldfarb *et al,* 1993). The veins are also associated with greenschist facies rocks of an inverted metamorphic gradient of up to 8 km in thickness (Himmelberg *et al.*, 1991).



Gold- veins along 200 km of the Coast Range Megalineament were emplaced between 56 – 55 Ma, near the end of a 60 m.y. period of orogenic activity (Goldfarb *et al*, 1991*b*). Relaxation along this shear zone, during a shift from orthogonal to more oblique convergence and resulting strike-slip motion, is hypothesized as having led to increased permeability and widespread fluid migration. A belt of tonalitic plutons were intruded approximately 5 km east of the megalineament between 68-61 Ma (Barker et al., 1986; WOOD ET AL., 1991).

9 EXPLORATION (Item 9)

Exploration on the property consists of a property-scale rock chip, stream silt, and soil sampling program started in 2007 and continued to a lesser degree during the 2010 and 2011 drilling programs. Two hundred and ninety-nine (299) samples collected and assayed in 2007 are recorded in the property database. Samples have been collected from 50% of the project area. There has been no systematic grid sampling program, which is appropriate based on the exposure level and the narrow, high-grade targets sought. A high resolution aerial photograph covers the entire claim block and a detailed 5 m spacing contour map has been prepared in a digital format over 12.5% of the claim area.

A hand-drafted geologic map centered on the drill targets at an approximate scale of 1:10,000 has been compiled onto the 5 m spacing contour map. The high-resolution aerial photograph is particularly useful on account of the large areas of rock exposure and the association of veining with pronounced linear features, making it a valuable prospecting tool.

The 2007 sampling results show that all the major vein structures have been covered by multiple surface samples on the claim block. The majority of the anomalous gold samples are located on the northern portion of the claim block on the

Main, Deep Trench, and Goat veins. South of this area the number of anomalous gold samples decreases, where only a single sample out of a population of 112 returned a measured value above 5 ppm Au. This area with low surface gold values correspond to that portion of the claim block south of the 6487400 Northing, comprising approximately half the area of the claim block.

The rock chip program was successful in identifying veins with anomalous gold values. Exposure limitations results in non-uniform sampling making it difficult to apply the results to quantitative resource modeling. In 2011 a small channel sampling program was started across surface exposed veins. Four trenches (A through D) totaling 19.72 m across the Deep Trench Vein were collected using a portable rock saw. The method consisted two parallel cuts approximately 3 cm deep and 6 cm wide and sample lengths on the order of 0.5 to 1.5 m long. The samples collected approximated a drill core rock volume and typical sample length. This is a valuable exploration tool precisely because it standardizes the sampling process and was incorporated into the solid resource model. It was because of this standardized sampling of the trenches that it was decided by DRW to incorporate the trench results into the resource model.

During the 2012 site visit by a coauthor to the author's previous report and all check assay samples collected from the property provided excellent agreement with reported assay values, testifying to the repeatability of this sampling method.

Substantially all work completed in 2012 consisted of diamond drilling with minor field mapping and sampling.

In 2018 a LiDAR survey was completed by Quantum Spatial covering 1,826 hectares (4,512 acres) delivering 1 m Bare Earth (DEM) Highest Hit Surface Model (DSM), and Intensity images. Deliverables included 0.5m contours, DSM and a DTM.

10 DRILLING (Item 10)

In **2010** Grande Portage commenced a drilling campaign on the previously identified targets. The 2010 drilling program comprised 16 NQ diamond drill holes totalling 2,600 meters. The best intercept was from hole DS 10C-1 from 119.29 to 120.9 grading 12.9 gpt gold. Twenty three short BQ holes were drilled (300 series) with encouraging results.

In **2011** an additional 30 NQ diamond drill holes totaling 5,181 m were drilled. Results were encouraging and are highlighted by:

- DDH 11E-2 from 137.1 – 152.37m returned 35.52 gpt gold over a width of 15.93m (true width of 8.76m)
- DDH 11E-1 from 107.0 – 115.82 graded 12.8 gpt gold over a trued width of 6.97m

In addtion a total of 19.72m of hand-held rock saw channel samples from four trenches across the Deep Trench Vein outcrop trace were collected. The highest value returned (Trench A) a weighted average of 6.48 gpt gold over 6.13 meters.

During the 2012 exploration campaign, 62 holes totaling 8805.03 meters were completed. That does not include three failed holes with the small drill which total up to 29.87 meters. The large drill recovered NQTW diameter core and the small obtained BQTW diameter core. In addition, 23 BQ holes (300 series) were drilled.

Many high-grade intersections were obtained from several of the veins. These results are highlighted by hole 326B2, drilled on the western Deep Trench vein, intersected rich mineralization consisting of 11.58 metres (6.14 metres true thickness) of 24.37 grams per tonne gold (0.712 ounces per ton)

The 2017 drill program consisted of 12 NQ diamond drillholes totaling 3,709 metres from four drill pads. A total of 493 core assays were collected. Core was flown either to the nearby road for truck transport to the logging facility, or to the airport where it was picked up and trucked to the logging facility.

The 2018 drill program consisted of 15 NQ drillholes totaling 4751.1 m and 2 PQ drillholes totaling 121.0m from two drill pads and two sawn channel cuts totaling 2.1 m.

All drillhole information is shown on the Table 3 below.

Table 3. All drill hole location in NAD 83 Z.8, azimuth, dip and total depth (in metres).

dh_id	Easting	Northing	Elev__m	az	dip	td__m
88H-19	518061.3	6487876	49	170	-75	112.78
88H-18	518111	6487880	65	170	-85	144.48
88H-17	518164	6487911	93	170	-70	144.17
88H-16	518236	6487880	111	170	-45	60.4
88H-15	518298	6487892	135	170	-80	138.99
88H-14	518366.1	6487932	130	170	-75	138.99
88H-13	518443.2	6487906	181	170	-75	96.93
88H-12	518550	6487891	198	170	-80	60.05
88H-11	518468.8	6487906	189	170	-65	114.91
88H-10	518494.8	6487900	191	170	-75	92.05
88H-9	517934.2	6487803	43	170	-45	56.69
88H-8	517989.1	6487836	43	170	-45	60.05
88H-7	518055	6487832	45	170	-45	34.75
88H-6	518083	6487861	47	170	-45	65.23
88H-5	518145	6487875	70	170	-45	88.09
88H-4	518211.6	6487871	92	170	-45	59.44
88H-3	518264.9	6487861	123	170	-45	42.67
88H-2	518332	6487876	133	170	-45	53.34
88H-1	518391	6487878	143	170	-45	42.98
326D	518157.5	6487688	124.44	222	-57	92.35
326C	518158.5	6487687	124.7	190.5	-45	92.35
326B2	518158.7	6487688	124.71	162	-61.5	117.04
326B	518159.3	6487688	124.85	162.5	-61	91.44
326A	518159.6	6487687	124.63	161	-41	73.76
315F	518093.9	6487678	69.82	335	-44	46.63
315E	518094.4	6487678	69.77	302	-62	88.39
315D	518094.1	6487678	69.59	303	-42	61.87
315C	518093.2	6487676	69.9	211	-45	95.4
315B	518095	6487675	69.92	175	-43	114
315A	518096.2	6487677	70.26	127	-44	100.58
312B	518213.9	6487685	127.22	204	-45	73.15
312A	518214	6487685	127.19	180	-45	60.96
311D	518279.9	6487683	129.79	154	-63	76.81
311C	518280.2	6487683	129.84	155	-42	55.17
311B	518277.2	6487684	130.19	206	-60	74.37
311A	518277.3	6487684	130.46	206	-41	54.86

310B	518246.7	6487677	122.73	188	-59	77.42
310A	518246.6	6487677	122.84	186	-44	61.87
309D	518312	6487685	146.11	140	-45	54.86
309C	518311.1	6487684	146.22	183	-70	94.18
309B	518311.1	6487684	146.22	182	-63	83.21
309A	518311.5	6487683	145.84	180	-42.5	67.06
12O-9	518456	6487941	183.53	203	-54	145.69
12O-8	518455.9	6487941	183.5	201	-43	200.25
12O-7	518457.8	6487941	183.62	146	-67	136.86
12O-6	518457.9	6487941	183.61	147	-58	142.95
12O-5	518458	6487941	183.64	147	-43	173.13
12O-4	518457.4	6487941	183.55	177	-81	231.34
12O-3	518457.4	6487941	183.54	175	-68	174.96
12O-2	518457.4	6487941	183.53	173	-58	127.73
12O-11	518456.1	6487941	183.38	203	-70	179.53
12O-10	518456	6487941	183.53	202	-63	167.34
12O-1	518457.5	6487941	183.58	173	-47	352.96
12J-7	518115.7	6488102	60.52	219	-64	152.4
12J-6	518115.3	6488102	60.47	224	-43	154.53
12J-5	518117.1	6488101	60.66	131	-71.5	182.58
12J-4	518117.4	6488101	60.65	122	-43	121.01
12J-3	518117.2	6488101	60.66	135	-63	152.1
12J-2	518117	6488101	60.64	180	-74.5	142.95
12J-1	518117	6488100	60.69	180	-63	118.87
12H-1	518440.2	6487732	227.48	181	-42	303.89
12G-6	518330.5	6487736	150	150	-68	202.39
12G-5	518330.7	6487735	149.98	158	-60	148.74
12G-4	518330.9	6487735	149.98	158	-47	138.07
12G-3	518330.1	6487736	150	182	-57	371.75
12G-2	518329.9	6487736	149.99	213	-63	213.06
12G-1	518329.5	6487735	149.99	213	-55	185.32
12F-5	518088.4	6487703	67.27	220	-43	128.93
12F-4	518091.2	6487703	66.94	178	-62	160.93
12F-3	518091.3	6487702	66.82	177	-53	157.37
12F-2	518092.4	6487704	67.35	133	-68	197.91
12F-1	518092.6	6487703	67.48	132	-56	158.19
Trnch_D	518190	6487651	111	170	-3	4.51
Trnch_C	518174	6487650	105	170	-1	4.58
Trnch_B	518160	6487649	99	170	-3	4.5
Trnch_A	518149.5	6487648	91.6	170	-3	6.13
11J-1	518117.2	6488101	60.55	170	-45	121.62
11I-7	518007	6487878	44.2	208	-80	243.84
11I-6	518007.9	6487879	44.2	115	-70	210.01
11I-5	518007.3	6487879	44.2	115	-45	161.24
11I-4	518005.8	6487877	44.24	208	-65	171.3
11I-3	518005	6487877	44.24	208	-45	131.06

11I-2	518006.3	6487878	44.24	170	-75	182.88
11I-1	518006.3	6487876	44.8	170	-45	388.95
11G-8	518332	6487736	150.5	125	-61	197.82
11G-7	518332.2	6487736	150.5	125	-45	164.9
11G-6	518331.2	6487736	150.26	180	-73	231.65
11G-5	518331.3	6487736	150.27	180	-63	155.45
11G-4	518331.3	6487734	150.72	180	-45	121.92
11G-3	518330.1	6487735	151.17	210	-69	145.69
11G-2	518329.4	6487735	149.93	210	-45	152.4
11G-1	518329.4	6487735	149.97	227	-57	261.82
11F-3	518090	6487702	67	180	-70	179.53
11F-2	518090	6487701	67	180	-45	72.85
11F-1	518091.5	6487702	67	145	-45	124.66
11D-3	518530.7	6487933	184.52	135	-52	116.74
11D-2	518527.5	6487932	184.58	234	-69	173.13
11D-1	518527.1	6487932	184.58	235	-45	160.63
11C-3	518186	6487920	102.38	143	-52	175.56
11C-2	518184.9	6487920	102.38	178	-63.5	189.89
11C-1	518183.7	6487921	102.11	226	-54	197.51
10D-3	518527.5	6487932	184.58	233	-67	99.36
10D-2	518529.5	6487933	186	170	-82	158.5
10D-1	518529	6487932	184.55	170	-73	135.94
10C-2	518184.2	6487921	102.2	220	-54	101.19
10C-1	518185.2	6487920	102.2	170	-45	134.11
10B-3	518781.3	6487675	333.63	150	-45	98.7
10B-2	518779.5	6487675	334.21	210	-75	231.34
10B-1	518779	6487673	332.87	210	-45	228.6
10A-7	518358.5	6487951	126.3	200	-70	198.4
10A-6	518357.9	6487950	126.3	200	-50	173.7
10A-5	518359.4	6487951	126.29	170	-65	183.5
10A-4	518359.4	6487950	126.39	170	-45	341.38
10A-3	518359.8	6487952	126.3	140	-85	45.72
10A-2	518360.6	6487951	126.3	140	-65	200.25
10A-1	518360.9	6487951	126.3	140	-45	152.25
12E-1	518203	6487728	135.59	180	-51	153.62
11E-1	518203.5	6487728	135.69	185	-46	164.28
10E-1	518204.6	6487729	135.68	210	-45	117.04
12E-2	518203	6487728	135.66	182	-65	216.16
11E-2	518203.5	6487728	136.2	185	-62	161.24
12E-3	518201.8	6487728	135.59	215	-40	189.89
11E-3	518203.5	6487728	136.2	190	-72	231.34
12E-4	518202	6487728	135.57	215	-52	189.89
11E-4	518201.6	6487728	136.2	220	-49	152.4
12E-5	518202.2	6487728	135.58	204	-49	167.03
11E-5	518204.6	6487729	135.68	150	-49	138.68
12E-6	518202.2	6487728	135.55	206	-60	197.51

12E-7	518202.4	6487728	135.57	163	-41	157.58
12E-8	518202.3	6487728	135.57	163	-56	166.09
12E-9	518202.2	6487728	135.59	163	-69	203.91
17K-1	518019	6488115	73	215	-45	173.736
17K-2	518019	6488115	73	215	-73	257.4341
17K-3	518019	6488115	73	165	-45	180.594
17K-4	518019	6488115	73	165	-75	214.5792
17L-1	518180	6488150	70	130	-45	192.024
17L-2	518180	6488150	70	130	-75	272.1864
17L-3	518180	6488150	70	170	-45	429.1584
17L-4	518180	6488150	70	170	-80	232.5624
17U-1	518421	6488011	132	165	-50	502.4628
17U-2	518421	6488011	132	165	-78	288.036
17Y-1	518265	6487893	115	180	-55	449.58
17Y-2	518265	6487893	115	145	-63	516.636
18S-1	518273	6487682	141	155	-50	54.6
18S-2	518273	6487682	141	155	-65	66.4
18M-1	518130	6488262	85	335	-45	193.5
18M-2	518130	6488262	85	21	-45	199.3
18M-3	518130	6488262	85	116	-49	327.7
18M-4	518130	6488262	85	116	-70	356.6
18M-5	518130	6488262	85	116	-81	418.8
18M-6	518130	6488262	85	127	-45	286.1
18M-7	518130	6488262	85	127	-61	327.1
18M-8	518130	6488262	85	171	-45	546.5
18M-9	518130	6488262	85	171	-61	297.8
18M-10	518130	6488262	85	171	-77	388.9
18M-11	518130	6488262	85	171	-82	428.2
18M-12	518130	6488262	85	200	-55	454.2
18M-13	518130	6488262	85	200	-67	405.4
18GoatChannel1	518270	6488064	69	180	-20	1.0
18GoatChannel2	518276	6488065	69	170	-15	1.1

All drill holes were designed to intersect the quartz veins as close to perpendicular as possible but given the fan-nature of the drilling as constrained by pad locations, these intercepts ranged from close to 90 degrees to as shallow as 30 degrees in a few instances.

All quartz vein intercepts were sampled, as well as the wall rock on either side of each vein. A total of 3,301 assay intervals have been obtained.

There are four 1.5 metre composites with assays >125 gpt gold, and these are shown with the proximal samples.

dh_id	from_m	to_m	au_ppm
11D-1	135.0	136.5	14.60
11D-1	136.5	138.0	139.15
11D-1	138.0	139.5	7.60

11E-2	147.0	148.5	194.49
11E-2	148.5	150.0	113.74
11E-2	150.0	151.5	18.24
18GoatChannel1	0.0	1.5	193.33
326B2	93.0	94.5	203.81

11 SAMPLE PREPARATION, ANALYSIS AND SECURITY (Item 11)

11.1 Sample Preparation

- **Transportation:** Core was slung by helicopter in supersacks to either the secure Coastal Helicopter hanger area where it was received.
- Core was laid out on logging tables in the warehouse by crew or when the tables were full, stored on pallets in the front open area inside.
- **Initial Processing:** Geotech crew converted all marker blocks in boxes into metric numbers, straightened and arranged the core to approximate original bedrock and cleaned the core in preparation for photographing.
- Geotechnical information was gathered at this point. Core recovery, RQD measurements and rock competency determinations were noted.
- Geologists marked the core and boxes for intervals that were sampled and placed the numbered sample tag at the start of the interval. The tags were stapled at the start of the interval to be sampled so the number is clearly visible in the photographs. Tags were reserved and removed from the sequence in the boxes at this point and blanks and standards were inserted. Sample tickets have two tear-off tags; one was placed in the corebox and one was placed inside the sample bag.
    - Standards were interjected at the rate of 5% or one for every 20 samples.
    - Blanks were used at the same rate in general except that they were inserted after high grade intercepts were expected or noted.
- **Photographing:** Photos of each box were taken by the geotechnician with the label board clearly and accurately marked for hole number, box number and footage. Photos were given to the project geologist on SD card for renaming files and storing in master computer.
- The core was logged by geologist after photographing.
- **Sampling:** After the geologist confirmed that the hole or part of the hole was through being logged, the geotech crew saws/splits the sample intervals.
    - The splitter determines how best to cut the core so both halves are equally mineralized and also maintain the structural integrity of the remaining half so future inspection is most meaningful.
    - The sample intervals are sawn and bagged with plastic bags used inside of cloth bags for highly broken, powdered, gougey, crumbly, or clay-rich samples or just canvas bags for

competent intervals. Sample tags for that interval are placed inside the bag with the sample and the sample number was written on the outside of the bag in permanent marker.
    - The sample saw was kept clean with care taken after cutting samples from a known high grade mineralized zone.
- **Bagging and Shipping:** Samples were placed inside the secure warehouse in the area reserved for shipment preparation.
- Blanks and standards were added to the samples for shipment using the tags which were reserved out of the sequence while first marking the intervals to be sampled earlier.
- After the hole was finished being sampled, the sample transmittal forms were filled out and the individual samples were aggregated in larger rice bags, labeled for shipment and hauled to Alaska Air Freight by authorized Grande Portage personnel and shipped to:

  ALS Prep Lab
  1060 Bush Street
  Fairbanks, AK 99709
  Ph.# 907 452-2188

ALS is a commercial laboratory with ISO17025 certification, independent of the Company. It operates a preparation facility in Fairbanks Alaska with analytical facilities in North Vancouver.

The author's opinion is that the sample preparation, security and analytical procedures are appropriate for this project.

11.2 Security

Core logging facilities and core storage containers were locked at all times when not under direct supervision and observation by Company employees. Special care was taken to keep core in order so that no mistakes made in number recordation, notes, sequences, bag labeling, photographing, etc. Communication between Coastal Helicopters, drillers, and Company personnel were maintained during transport. Time for core storage at Coastal Helicopters hanger was kept to a minimum.

Sample shipments to the ALS prep lab in Fairbanks were made for each hole as soon as the samples are cut and bagged.

11.3 Sample Analyses

Crushing Procedures

a) ALS Crushing Procedure 21

The entire sample is passed through a primary crusher to yield a crushed product that 70% of which passes 6mm.

b) ALS Preparation Procedure 41-g

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70% passing a 2 mm screen. A split of up to 1000 g is taken and pulverized to better than 85% passing a 75 micron screen.

Analytical Procedures (Several Analytical Procedures were used)

a) ME-ICP61

A 0.25 gm sample is dissolved in four acids and analysed for 48 selected elements on a mass spectrometer. Significant detection and over limit values include:

Element	Detection Limit ppm	Over Limit ppm
Ag	0.01	100
As	0.2	10,000
Cu	0.2	10,000
Pb	0.5	10,000
Zn	2	10,000

b) Au-ICP21

Gold was analysed in all samples since 2011 on 30 gm samples by standard fire assay with Inductively Coupled Plasma Emission Spectrometry finish.

c) Au GR21

A 30 g prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax and other reagents in order to produce a lead button. This button is cupelled to remove the lead. The remaining gold bead is parted in dilute nitric acid, annealed and weighed as gold.

d) Au-SCR21

The sample pulp is passed through a 100 micron stainless steel screen. Any material remaining on the screen (>100 mm) is retained and analysed in its entirety by fire assay with gravimetric finish and reported as the Au(+) fraction. The material passing through the screen (<100 micron) is homogenized and two sub-samples (50g) are analysed by fire assay with AA finish (Au AA26 and Au AA26D). The average of the two AAS results is taken and reported as the Au (-) fraction. All three results are used in calculating the combined gold content of the plus and minus fractions. The gold values for both the (+) 100 and (-) fractions are reported together with the weight of each fraction as well as the calculated gold content of the sample.

12 DATA VERIFICATION (Item 12)

The author reviewed all analytical data collected by the Company, including the standards and blanks that were submitted. The Company uses marble chips from Home Depot for its blank material.

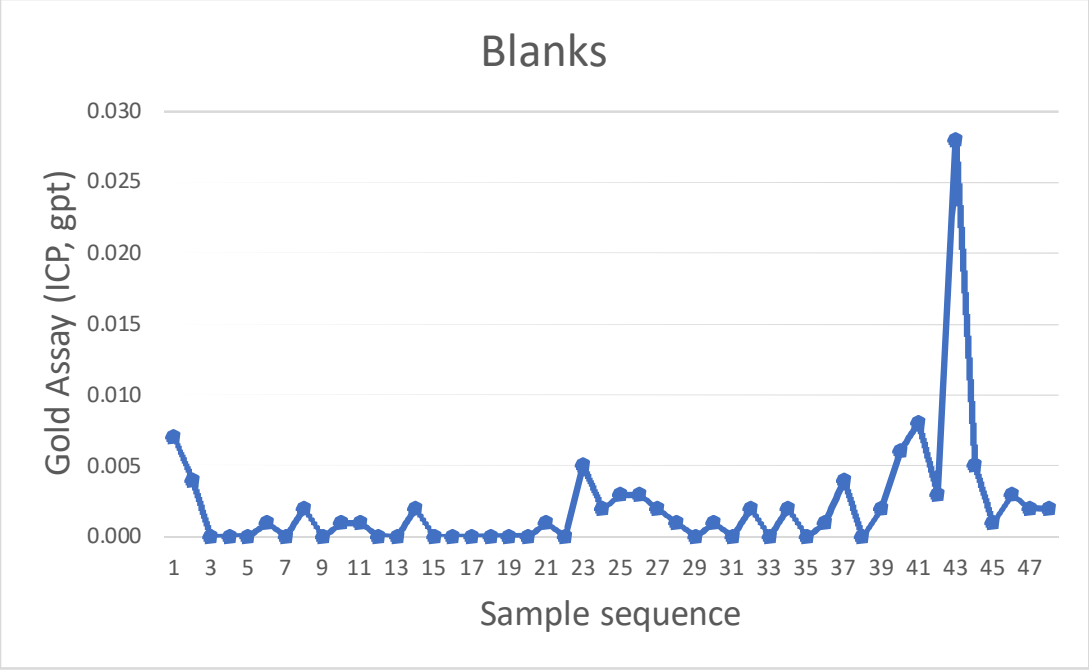


Figure 4. Assays of blanks submitted in 2017 and 2018 drill program.

Forty-eight blank samples were inserted into the sample stream. All yielded acceptable results except for one anomalous value at 0.028 gpt obtained. This is unacceptable for a blank value and the data set from drill hole 17L2 should be rerun, however it is a low enough value to not be of material concern in the author's opinion. The Company should consider using certified blanks in the future.

Seven sets of commercial standards were inserted into the sample stream over the past 3 years which combined with the series of blanks provides for a robust quality assurance and quality control program. All standards reported within expected values.

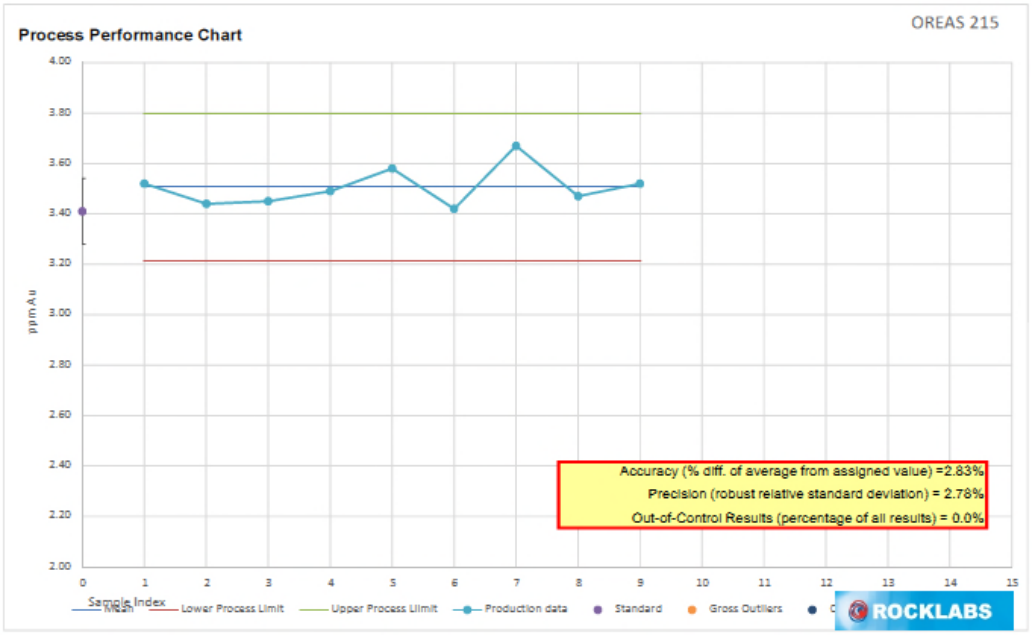


Figure 5. Assays of OREAS 215 standard

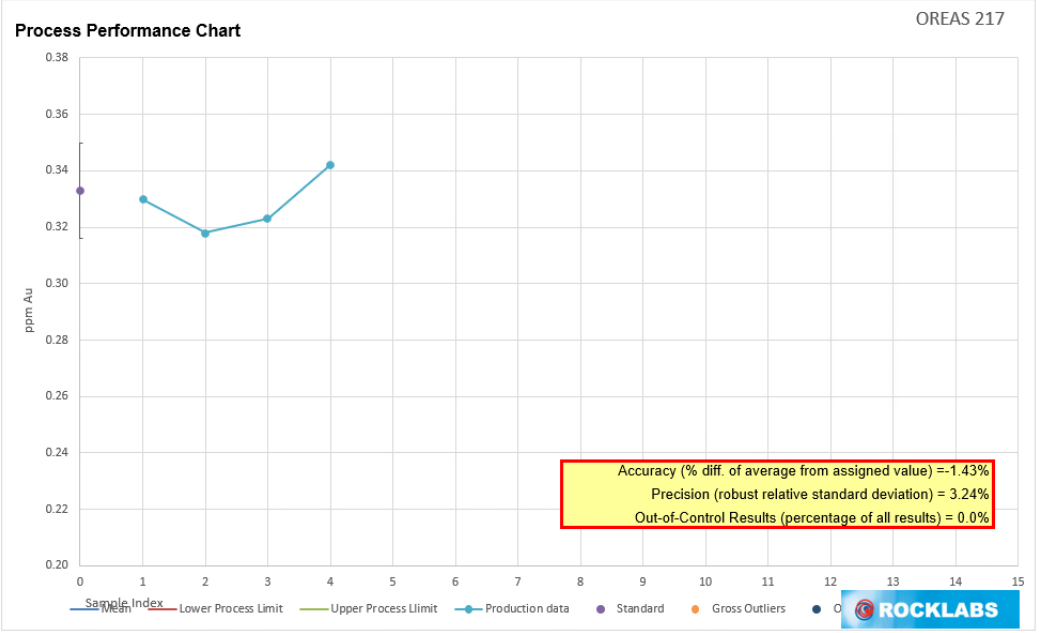


Figure 6. Assays of OREAS 217 standard

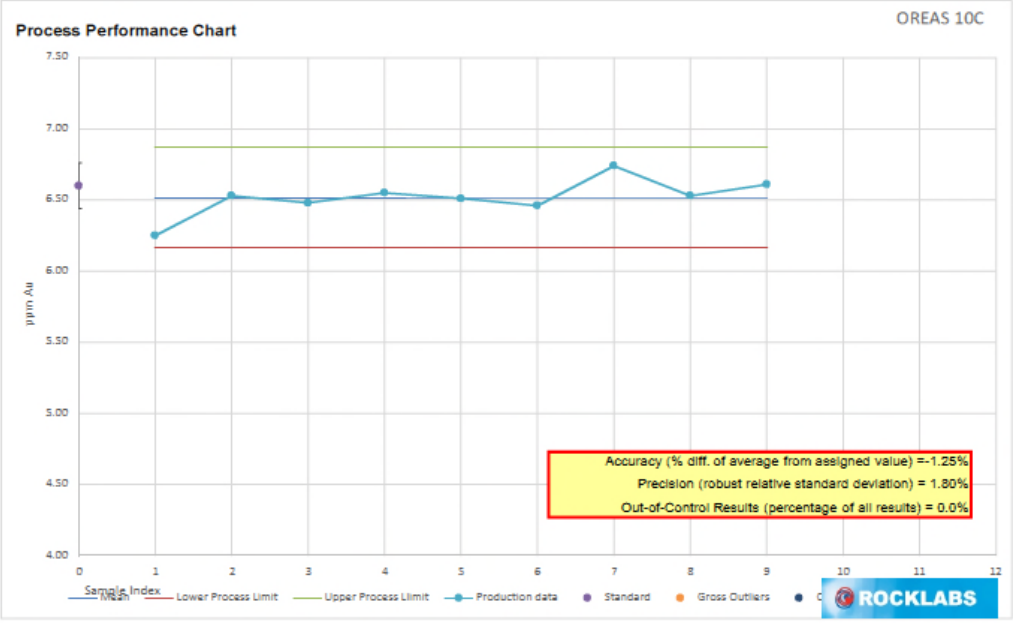


Figure 7. Assays of ORAES 10C standard.

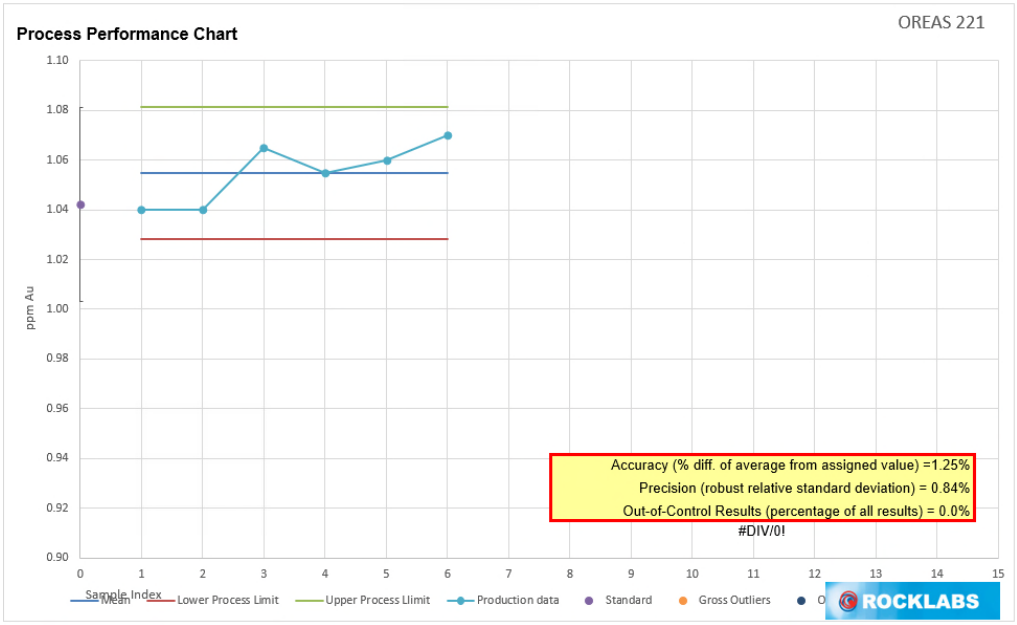


Figure 8. Assays of OREAS 221 standard

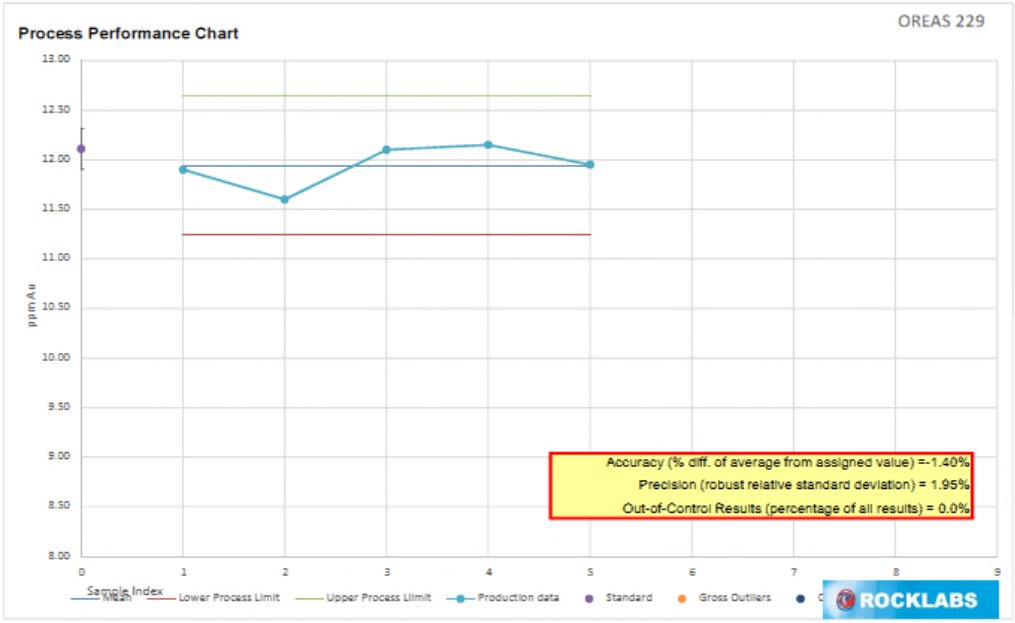


Figure 9. Assays of OREAS 229 standard.

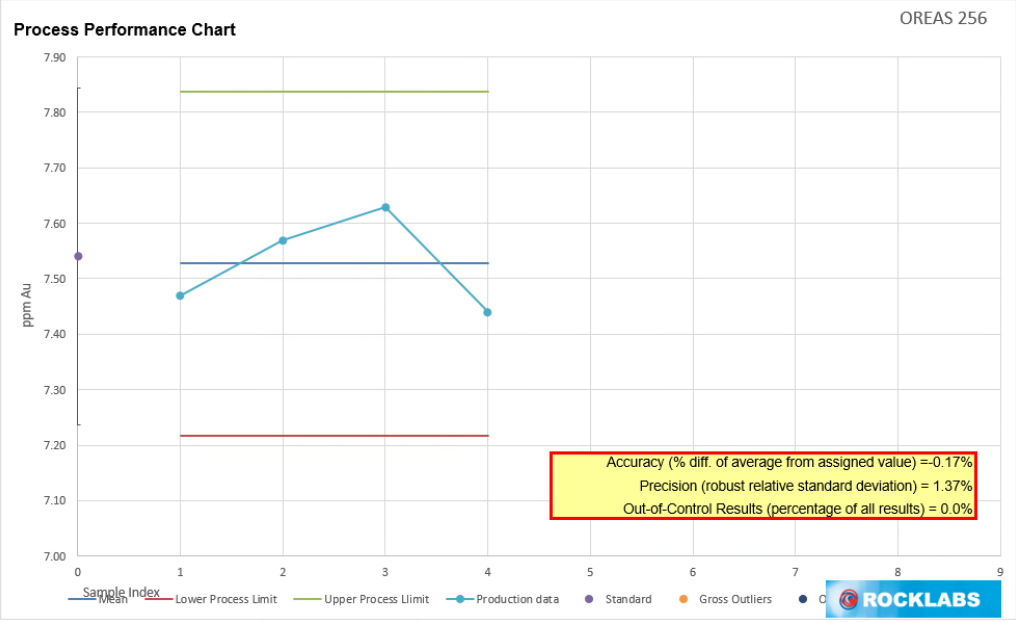


Figure 10. Assays of OREAS 256 standard

The standards run by the Company all returned acceptable values and confirm that their QA/QC work in appropriate for this project in the author's opinion. Some high-grade standard should be considered for future work.

In addition, the author collected his own sample of the goat vein from material collected by the company during the 2017 drilling campaign. It assayed 24.3 gpt gold by fire assay (Bureau Veratis's FA530 technique and 38.8 gpt by ICP (Bureau Veratis's AQ251 technique). Both are in accord with reported grades for the Goat Vein in this area.

The author believes that the data is accurate for the purposes of this report.

13 MINERAL PROCESSING AND METALLURGICAL TESTING (Item 13)

In 2010 a sample prepared from cannibalized drill core was tested for "Bond Ball Grindability" and gold recoveries. The results cite a value of 15.7 kw/hr/tonne for work index (WI) and combined gold and silver recoveries of 91% and 78% respectively using gravity concentration and cyanidation of the concentrate and tails (G&T Metallurgical Services Ltd, 2011). The report recommends further metallurgical testing to understand the large consumption of sodium cyanide in the process. Though the metallurgical study consisted of representative material from the core, the material collected was uniformly from relatively low-grade material recovered from the 2010 drilling campaign and did not include the high-grade with visible gold drilled during the 2011 season.

In 2018, two samples were selected to determine the recoverability of gold using either whole-ore cyanidation as well as gravity plus flotation of the gravity tails at Bureau Veritas Commodities Canada Ltd's Metallurgical Division in Richmond B.C. ("BVI"). BVI is an ISO/IEC 17025:2005 accredited laboratory and is independent of the Company.

The presence of coarse free gold caused persistent scatters in gold head assay on the two test samples. Gold grades from direct fire-assay varied in a wide range from 92.6 to 167g/t in sample 54524, and from 19.5 to 34.1 in sample 339807.

Comminution Bond ball mill work index testing of representative splits from the two test samples indicated moderately hard characteristics of the test samples with respect to breakage in ball mills.

Preliminary metallurgical testing showed that both test samples responded well to whole-ore cyanidation and gravity+flotation process options. The response to each process option at a grind size of P80 105 µm are presented in the table below.

Sample ID	Whole-ore Cyanidation		Gravity+Flotation	
	Au Recovery, %	Ag Recovery, %	Au Recovery, %	Ag Recovery, %
54524	99.6	94.4	99.5	98.7
339807	98.4	81.5	97.7	90.6
Average	99.0	87.9	98.6	94.7

Figure 11. Summary of Gold Recoveries

The samples were collected from the Goat Vein in sawn channel cuts and the Deep Trench Vein by PQ drilling in areas where high-grade gold values had been obtained in previous sampling.

Analyte	Unit	54524		339807	
		Cut 1	Cut 2	Cut 1	Cut 2
Au	g/mt	115.42	140.99	34.14	19.50
Au	g/mt	167.06	92.60	-	-
Au average	g/mt	129.02		26.82	
Ag	PPM	68	-	33	-
Stot	%	1.11	-	0.73	-
Hg	ppm	1.34	-	2.27	-

Figure 12. Assay Head Grades of metallurgical test samples.

Sample ID	Bond ball mill work index, kWh/tonne
54524	14.3
339807	14.7

Figure 13. Bond Work Index of two metallurgical samples

Test No	Sample ID	Grind P80 µm	NaCN g/L	Measured Head		Calculated Head		72 hours Recovery		Residue		Consumption (kg/t)	
				Au (g/t)	Ag (g/t)	Au (g/t)	Ag (g/t)	Au (%)	Ag (%)	Au (g/t)	Ag (g/t)	NaCN	Lime
C1	54524	101	2.0	129.02	68	125.24	71.2	99.6	94.4	0.49	4.0	2.38	0.18
C2	339807	104	2.0	26.82	33	21.93	37.8	98.4	81.5	0.35	7.0	3.08	0.44

Figure 14. Whole ore cyanidation performance

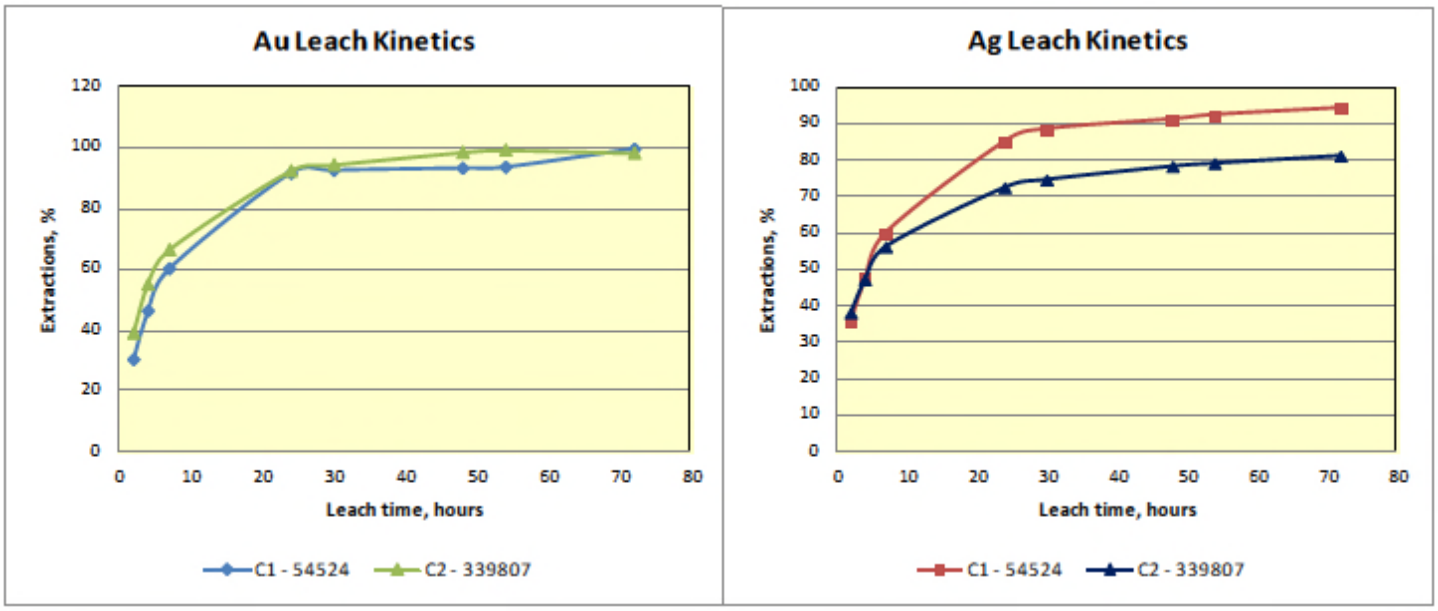


Figure 15. Gold and silver leach kinetics.

Sample ID	Test No	P80 Size (µm)	Gold Grade, g/t Au				Gold Recovery, %		Overall Recovery	
			Meas. Head	Calc. Head	Gravity Conc.	Flotation Conc.	Gravity Conc.	Flotation Conc.	Mass, %	Au, %
58524	GF1	150	129.02	105.07	66057	321.8	58.3	40.6	13.3	98.9
	GF2	105	129.02	105.05	45458	318.0	55.9	43.7	14.5	99.5
339807	GF3	150	26.82	24.76	5839	159.0	30.2	67.2	10.6	97.4
	GF4	105	26.82	21.65	5516	144.4	27.6	70.2	10.6	97.7

Summary for Silver

Sample ID	Test No	P80 Size (µm)	Silver Grade, g/t Ag				Silver Recovery, %		Overall Recovery	
			Meas. Head	Calc. Head	Gravity Conc.	Flotation Conc.	Gravity Conc.	Flotation Conc.	Mass, %	Ag, %
58524	GF1	150	68	69	40691	225	54.5	43.0	13.3	97.5
	GF2	105	68	66	26515	217	51.5	47.2	14.5	98.7
339807	GF3	150	33	42	4397	321	13.4	80.1	10.6	93.6
	GF4	105	33	38	4205	284	12.0	78.6	10.6	90.6

Figure 16. Gravity and flotation response

Analyte	Unit	54524		339807	
		GF 1 Conc	GF 2 Conc	GF 3 Conc	GF 4 Conc
Au	g/t	321.8	318.0	159.0	144.4
Ag	ppm	225	217	321	284
Stot	%	8.44	8.08	6.19	5.61
As	%	11.1	10.8	10.6	9.9
Hg	ppm	10.6	10.1	17.8	15.3

Figure 17. Selected analysis of flotation concentrate.

The samples show that excellent recoveries can be obtained by whole ore cyanidation or gravity plus flotation methods. The mineralization where tested was very high-grade and may not represent average characteristics of the deposit. It is a moderately hard rock and contains high lead, zinc, silver, arsenic and mercury in flotation concentrates.

Further work should be completed on more average composites to determine what deleterious elements may be present in each vein system, and what each individual vein systems' recoveries might be.

14 MINERAL RESOURCE ESTIMATES (Item 14)

14.1 Resource Estimation Procedures

All reference to distance, tonnes, and grade are in SI units of metres (m), tonnes (t), and grams per tonne (gpt). All references to ounces will be troy ounces which are 31.1035 grams. North on the accompanying diagrams will be UTM grid north which is 0.38° east of true north at Juneau, Alaska.

A total of 154 diamond drillholes, four trenches and two sawn channel cuts test mineralization on the Herbert Property. Three thousand, four hundred sixty three (3,463) ICP gold assays, 116 gold assays with gravimetric finish, 1,083 screened metallic gold assays and 3,301 ICP multi-element (33 element) analyses were presented in a digital database. The author reviewed the data with the view to produce a resource estimate if possible. A resource has been published for this property dated May 28, 2011, completed by Garth D Kirkham, P.Geo of Kirkham Geosystems Ltd. and later in April 2013 an updated resource was published by Dupre, D.G., and Webb, D.R. In July 12, 2018 an updated Mineral Resource was published by Webb, D.R. This work builds on the latest report.

The nineteen 1986 - 1988 diamond drill holes were assessed statistically by ANOVA techniques as no core exists for direct validation. The drillholes constitute 12% of the drill hole (plus four trench) database and 5% of the total meters included. Other pertinent statistics are shown below in Table 4

Table 4. Selected statistics for 1988 drill holes.

	1988 DDH	Full Data
Assays >0	223	3,301
Range	0 – 142.7	0-432.9
Mean	2.05	2.87
Median	0.29	0.25
Standard Dev	10.56	17.96

Student T tests (2 sided, T=0.127) and Fisher F tests, two ANOVA tests used to consider whether sample populations are similar confirm that the 1988 drilling is part of the overall population at the >99th percentile. The author has no reason to suspect that the data is other than presented.

The database was validated and corrected as needed. The following sections detail the procedures, methods and strategies employed in creating the resource estimate for the Herbert Project.

Solid Model Construction

A series of cross sections generally spaced 20 m apart were developed for each of nine different zones where correlations between trends identified in gold assays, alteration zones, and multi-element data appears to exist down-dip on section and between sections. These correlations were corrected and modified as supported by surface mapping and geology.

MapInfo's 3D solid generation routine was used to construct three dimensional models from the sections. These were examined to conform to geology and all analytical data and adjusted where necessary.

Some areas provided multiple options for correlations that were permissive by geology and sample geochemistry. The correlation that best matched surface geology was selected. The Deep Trench vein was remarkable in the extreme simplicity and consistency in a very planar orientation of the correlations.

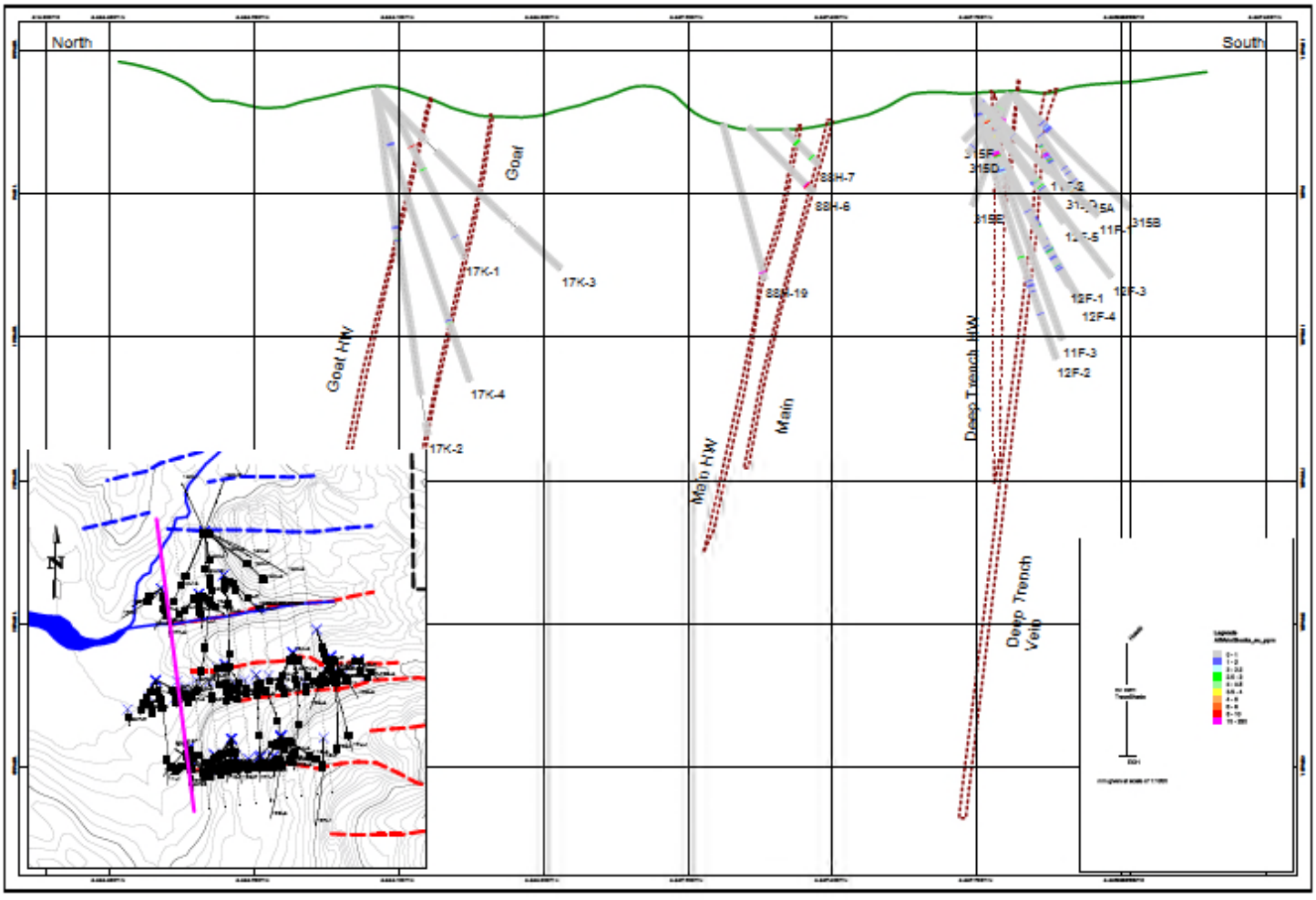


Figure 18. Typical east facing cross section showing vein correlations with drill hole traces on a 100 m grid.

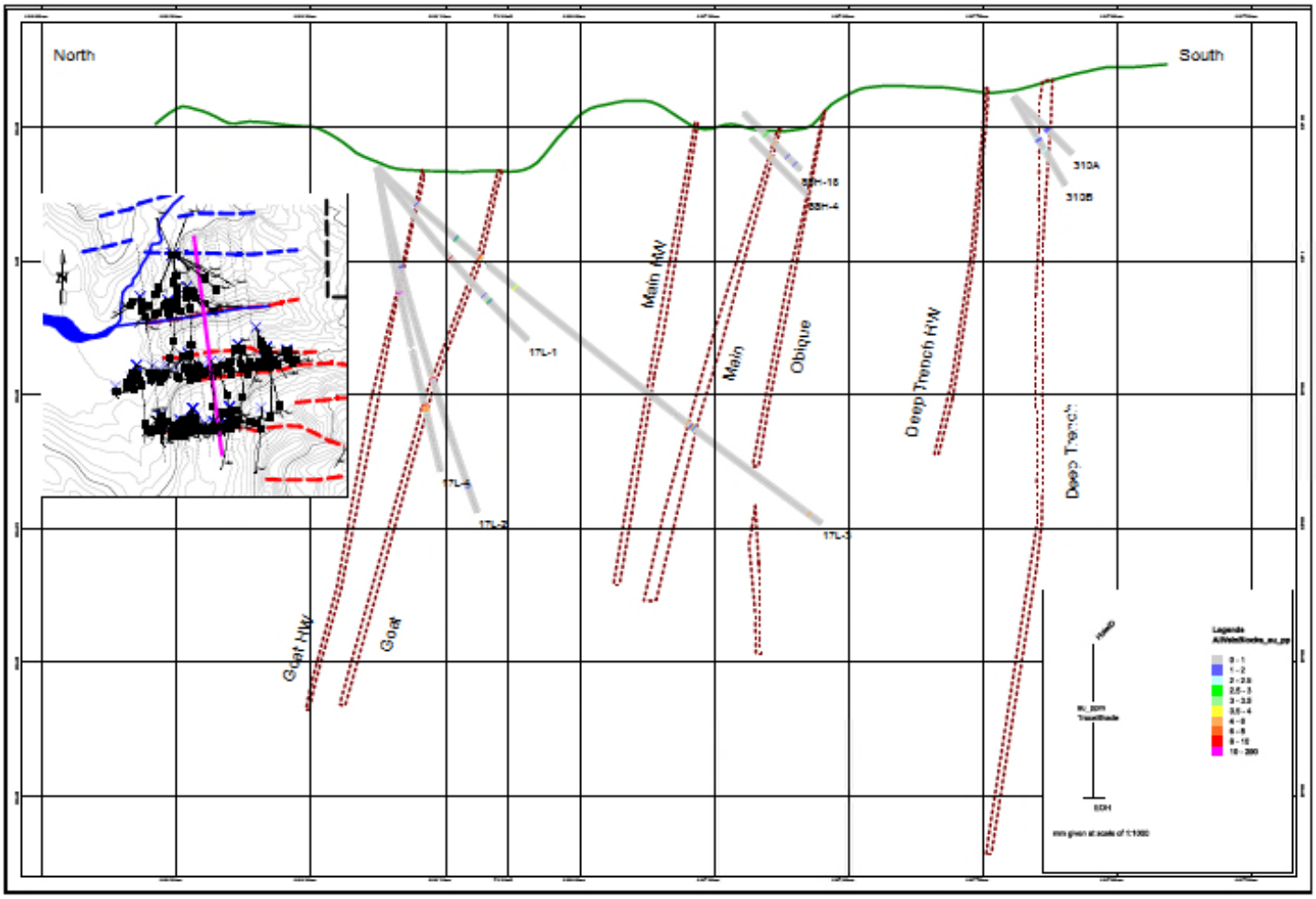


Figure 19. Typical east facing cross section showing vein correlations with drill hole traces.

Assay Database

The database consists of 154 diamond drillholes and four trenches and two sawn channel cuts (total 26,859.5 m). Nineteen diamond drillholes were completed by a previous operator in 1986 and 1988 (total 1,607.0m) (Van Wyck and Burnett, 2012). In 2010 and 2011 forty-six additional diamond drillholes were completed with collar and downhole surveys. Thirty-nine drillholes were completed in 2012. This and the four trenches (total 19.7m) provided the database for the previous resource estimate which only used the 2010 and 2011 drillholes due to uncertainty in the location of the collars and data quality (Van Wyck and Burnett, 2012). Twelve diamond drillholes totaling 3,709 m were completed in 2017. Surveys were not completed on all drillholes, however these were the shorter holes (<100m). An additional 13 drill holes and two sawn channel cuts were completed in 2018 with survey data. All data are considered by the author accurate for the purposes of this report

The logs were reviewed and selected assays compared to the raw data sheets. Minor from/to errors had been previously identified by the author, largely due to imperial/metric conversions. The author corrected these. Some survey data was found to be corrupted, and traced back to a bad survey instrument. These were corrected by applying a constant drift of +3 degrees azimuth and +3 degrees inclination as determined from the balance of the surveyed data. The collars, survey, and assay database has been verified and is considered appropriate for the purposes of this report.

All unsampled drill hole intervals were assigned zero grade to facilitate resource calculations. Metallic or screened assays were used in all instances where they were available (1,083 samples). All other assays are standard one assay ton results reported using ICP finish or where over limit (>10 gpt) are reported using gravimetric finish.

14.1.1.1 Univariate Statistics

The univariate statistics for the entire database is shown on Table 5.

Table 5. Univariate statistics for all of the raw analytical data from the drill and trench database. All negative, non-numeric and zero values are declared invalid.

Field	au_ppm	as_ppm	ag_ppm	pb_ppm	zn_ppm	w_ppm
Count_n	4659	4659	4659	4659	4659	4659
Count Valid	3301	3323	2493	3106	3036	2843
Count Invalid	1358	1336	2166	1553	1623	1816
Minimum	0.001	3	0.2	0.33	1	5
Maximum	432.9	153000.0	4010.0	31800.0	31200.0	6020.0
Mean	2.9	5002.5	4.1	169.3	140.1	68.9
Median	0.248	1565	0.2	14	105	20
Range	432.9	152997.0	4009.8	31799.7	31199.0	6015.0
Mode	0.002	15000	0.2	12	104	10
Variance	322.63	80307197.87	6602.11	1339375.15	450211.26	73741.38
Standard Deviation	17.96	8961.43	81.25	1157.31	670.98	271.55

The data was composited into 1.5 m lengths down hole with all unassayed, trace, or less than detection level samples given a negative value and treated as zeros during the compositing procedure.

Table 6. Univariate statistics for all of the 1.5m composite data from the drill and trench database within the nine solids. All negative, non-numeric and zero values are declared invalid.

Field	au_ppm	as_ppm	ag_ppm	pb_ppm	zn_ppm	w_ppm
Count_n	1089	1089	1089	1089	1089	1089
Count Valid	716	709	674	701	686	678
Count Invalid	373	380	415	388	403	411
Minimum	0.00	0.47	0.00	0.11	0.59	0.13
Maximum	290	95386.67	224	9098.27	5490	1025.47
Mean	4.94	6584.94	3.06	236.88	129.90	48.94
Median	1.09	3735.77	0.58	16.87	96.35	22.83
Range	290.00	95386.20	224.00	9098.16	5489.41	1025.33
Mode	26.82	15000	0.2	13	102	20
Variance	366.21	67506006	165.02	803181	106115	9567.6
Standard Deviation	19.14	8216.20	12.85	896.20	325.75	97.81

The log probability plot of the 1.5m composite data showed a smooth curve consistent with a small population of very low grade composites (11.5%), a smaller population of high-grade samples (1.8%) grading greater than 60 gpt, and the bulk of the population with an average grade between 1 to 2 gpt.

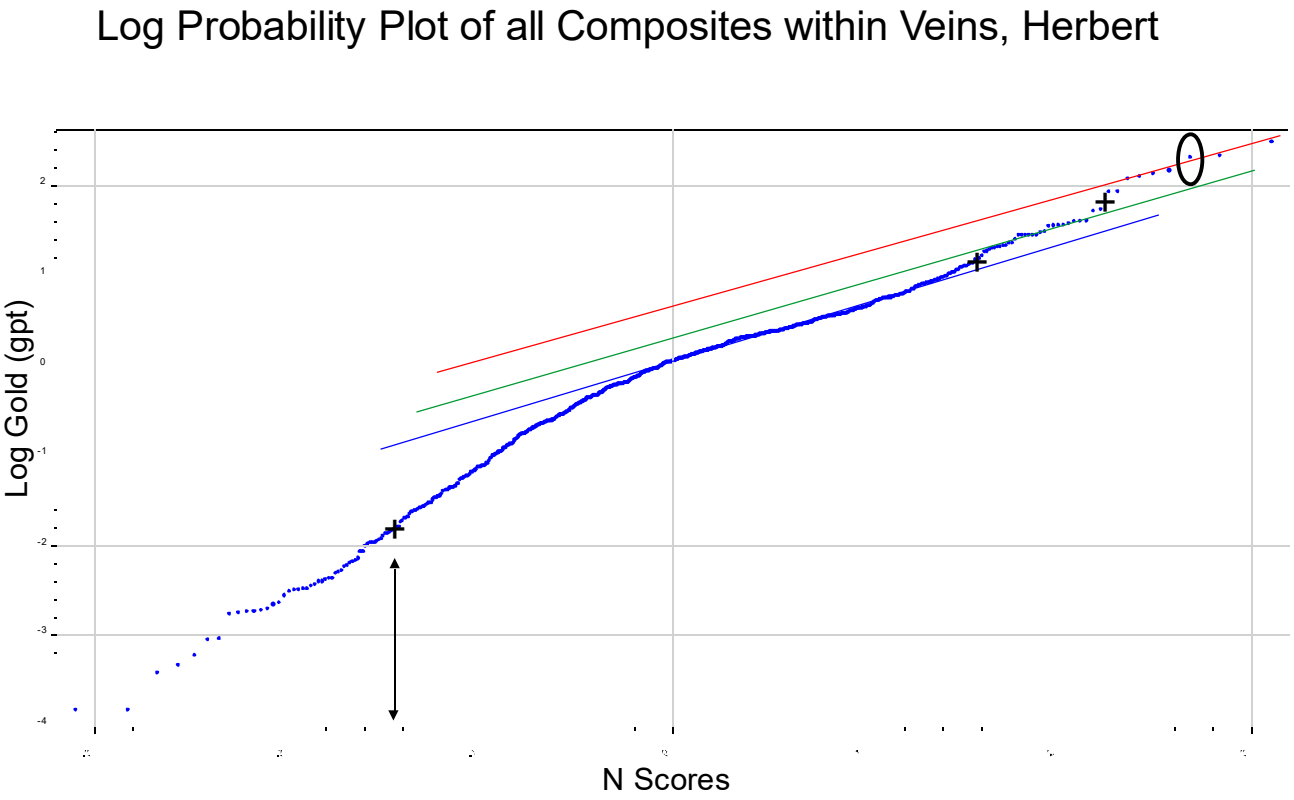


Figure 20. Lonormal probability plot of all 1.5 m composites within the mineralized solids. The black oval marks a sample that exceeds expected value by 10 to 20 gpt and marks where composites are capped (125 gpt).

Topography

The topographic relief is fairly steep with valleys incised east-west across a generally rising trend from 40m AMSL to 340m AMSL to the east and then more rapidly rising to >600m AMSL to the southeast. Mapping has shown that mineralization extends to surface in places and that in places these outcropping zones are constrained to topographic lows. A LiDAR survey completed in 2018 complete with DEM was used to create contours for presentation.

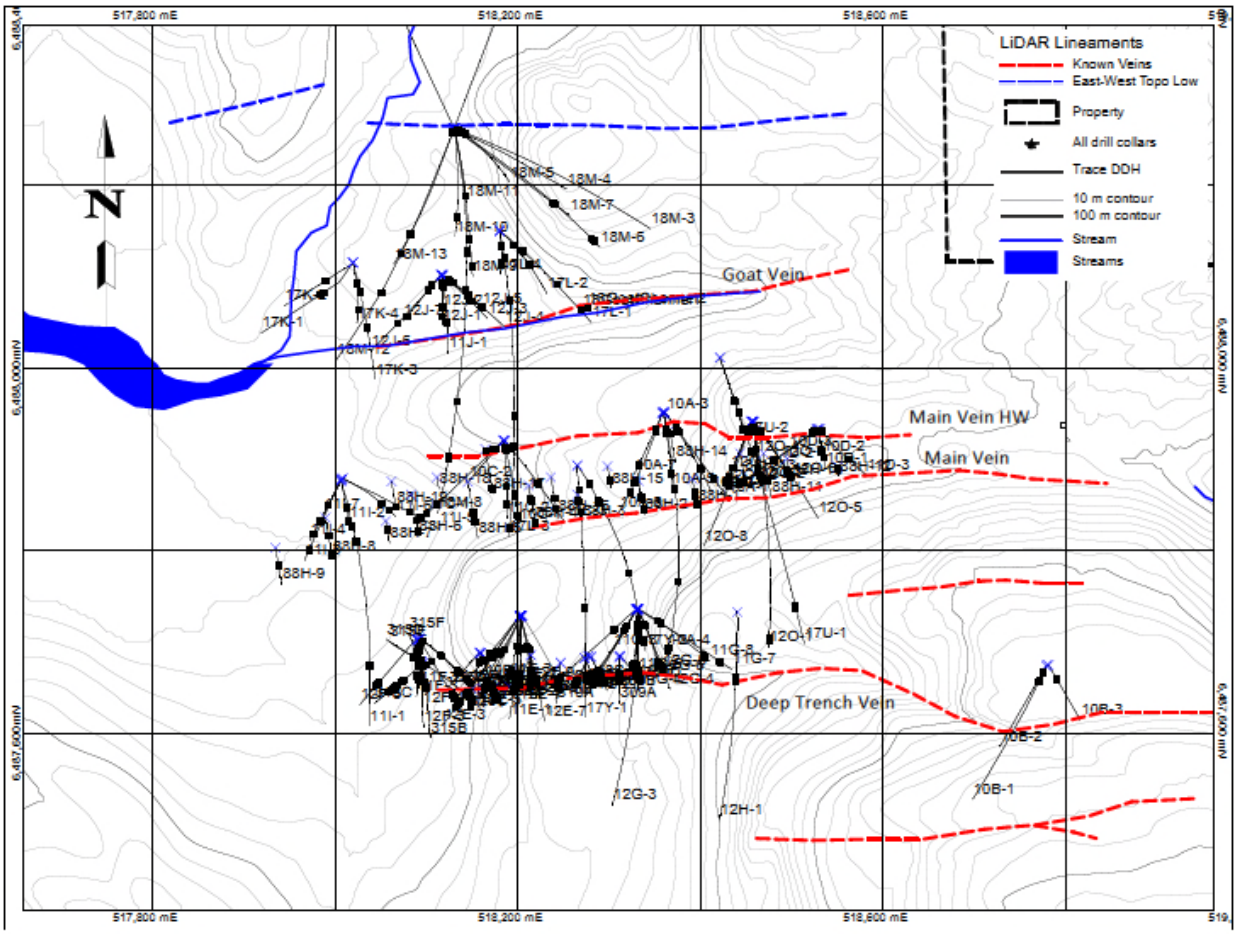


Figure 21. General location of the four principal vein structures with respect to topography, 10 metre contour intervals.

Density

A total of 30 mineralized samples from diamond drilling in 2012 were submitted for bulk density measurements (Table 7) to ALS for their determination using water immersion protocols (ALS OA-GRA09). The average density of 2.757 gm/cm^3 is used in all calculations.

Table 7. Bulk density measurements on 30 mineralized intersections from the 2012 diamond drilling.

SAMPLE	Recvd Wt.	B.D.
DESCRIPTION	kg	g/cm3
1023405	1.42	2.76
1023406	1.26	2.76
1023407	0.58	2.66
1023408	1.95	2.83
1023409	2.34	2.78
1023410	1.07	2.85
1023411	2.22	2.82
1023412	1.09	2.73
1023413	0.84	2.63
1023414	1.68	2.78
1023415	0.92	2.80
1023416	1.58	2.71

1023417	2.05	2.79
1023418	0.93	2.83
1023419	0.58	2.73
1023420	1.78	2.78
1023421	0.51	2.70
1023422	1.13	2.77
1023423	1.03	2.76
1023424	0.71	2.74
1023425	1.38	2.75
1023426	0.63	2.75
1023427	0.56	2.63
1023428	0.55	2.78
1023429	0.58	2.78
1023430	1.17	2.75
1023431	1.08	2.71
1023432	0.56	2.72
1023433	0.82	2.74
1023434	0.57	2.89
Average		**2.757**

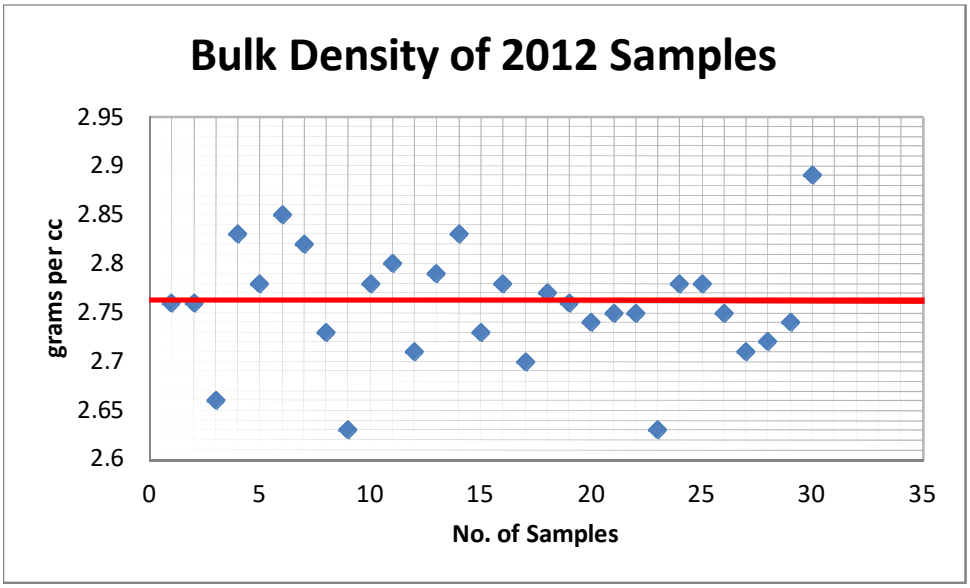


Figure 22. Density measurements on samples from Herbert Gold Project.

Bulk density samples are consistent with what the author expects to see on this project.

Compositing

For compositing and resource purposes, metallic assay data were used whenever they existed. All other data used the 1 assay ton values (1 AT). Composites over the length of the drillholes were calculated to a maximum of 1.5m in order to provide interval-independent grades over lengths that compromise between grade delineation and dilution.

Treatment of High-grade outliers

High-grade outliers are defined as ones that appear to deviate markedly from other members of the sample in which it occurs (Grubbs, F.E., 1969).

A lognormal probability plot of the 1.5m composite data within the vein data shows multiple populations with a very high-grade population appearing in less than 1.8 % of the population. It is well developed with the exception of a single sample at 140 gpt that is either overweighted or over reported. Consequently, the author has chosen to cut to 125 gpt, the point where the data deviates from a log normal distribution.

Both cut and uncut runs were considered, using a top cut of 125 gpt gold (log 2.10). An examination of the resultant block data distribution showed that the uncut run provided for a substantially more gold as the high-grade holes in the Goat Vein are all the final holes to the east and therefor carry a disproportionate weight to the other more closely spaced drillholes. Cutting the assays as supported by the univariate statistics was one method chosen to limit this effect. The blocks appear to slightly over-estimate the grade of veins compared to both the cut and uncut composites at grades below 0.6 gpt, slightly under-estimate the grades between 1.8 and 5.6 gpt and very slightly under-estimate the grade of the veins above 16 gpt gold. This was deemed acceptable and realistic.

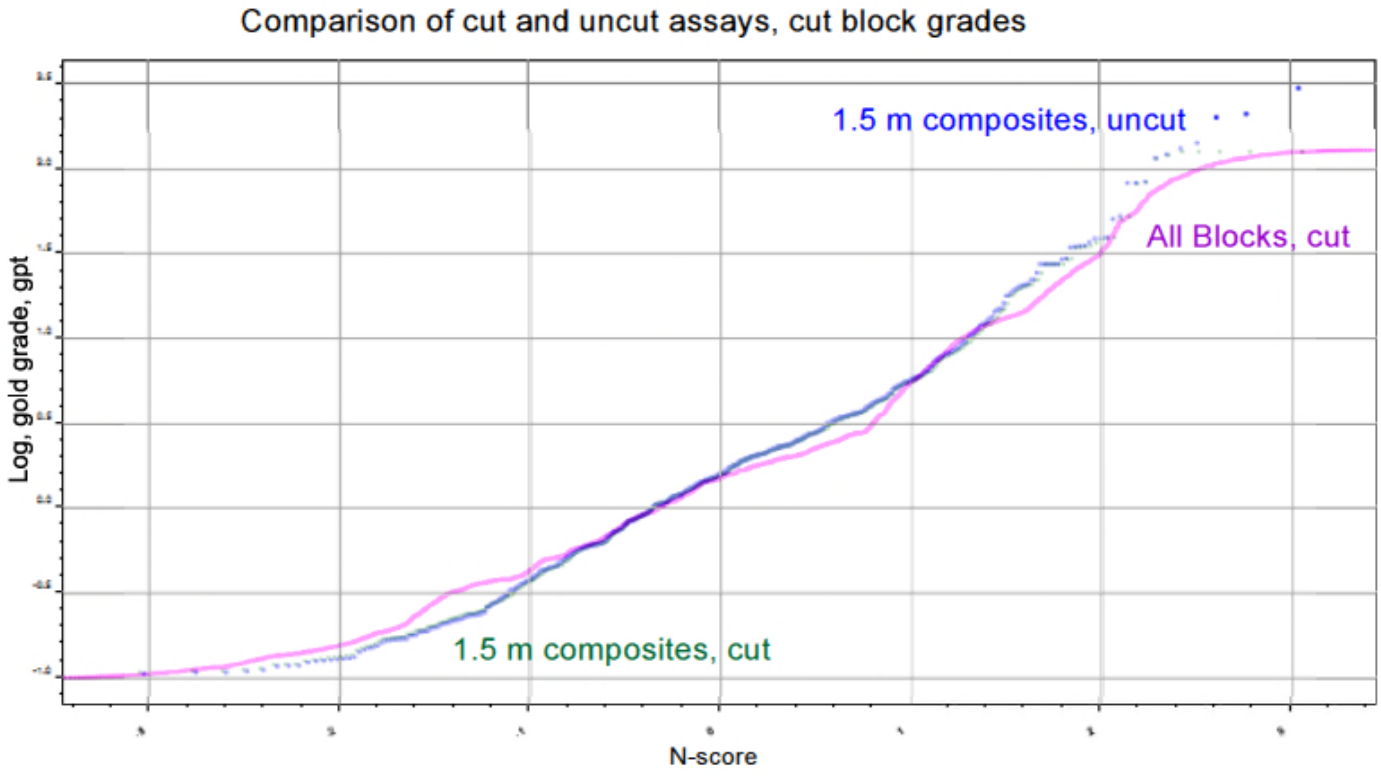


Figure 23. The uncut composite data (blue) was cut to 125 gpt (green) to estimate the block grades (purple)

Variography

The low number of sample points provides no meaningful results from variography. Covariation plots on the two solids with the highest number of data points (Main Vein and Deep Trench Vein) reveal results consistent with the data trends.

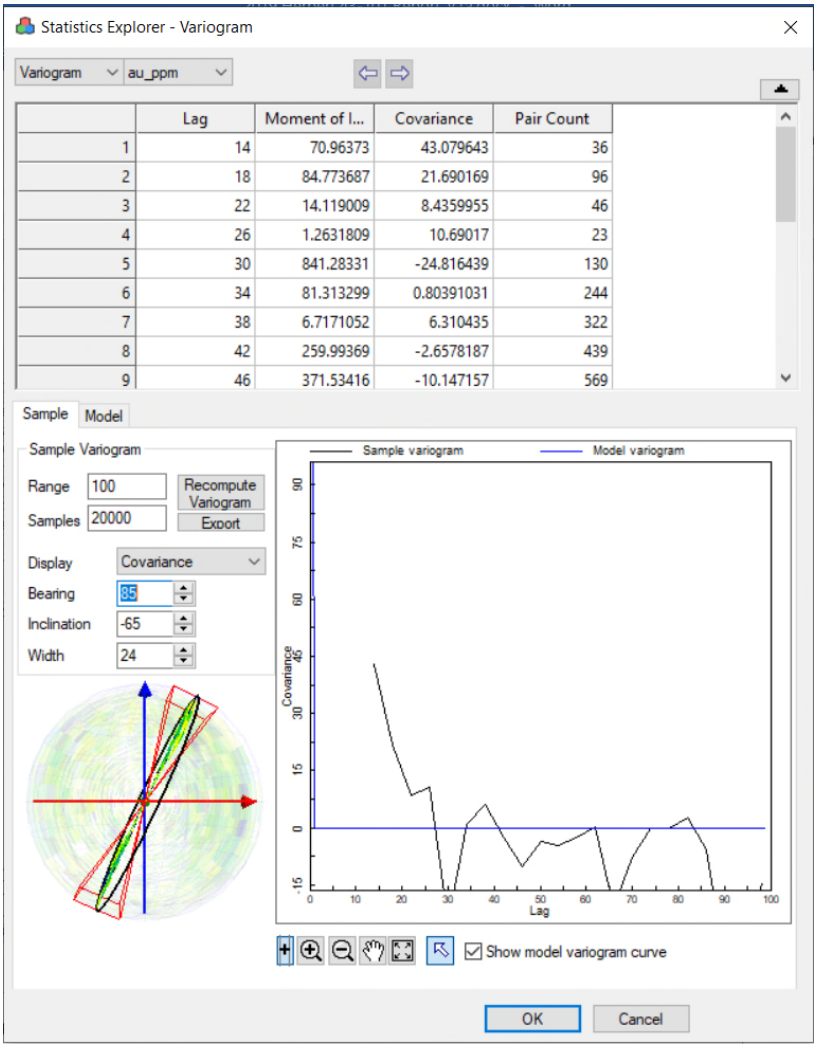


Figure 24. Covariance diagram of the composites within the Deep Trench Vein.

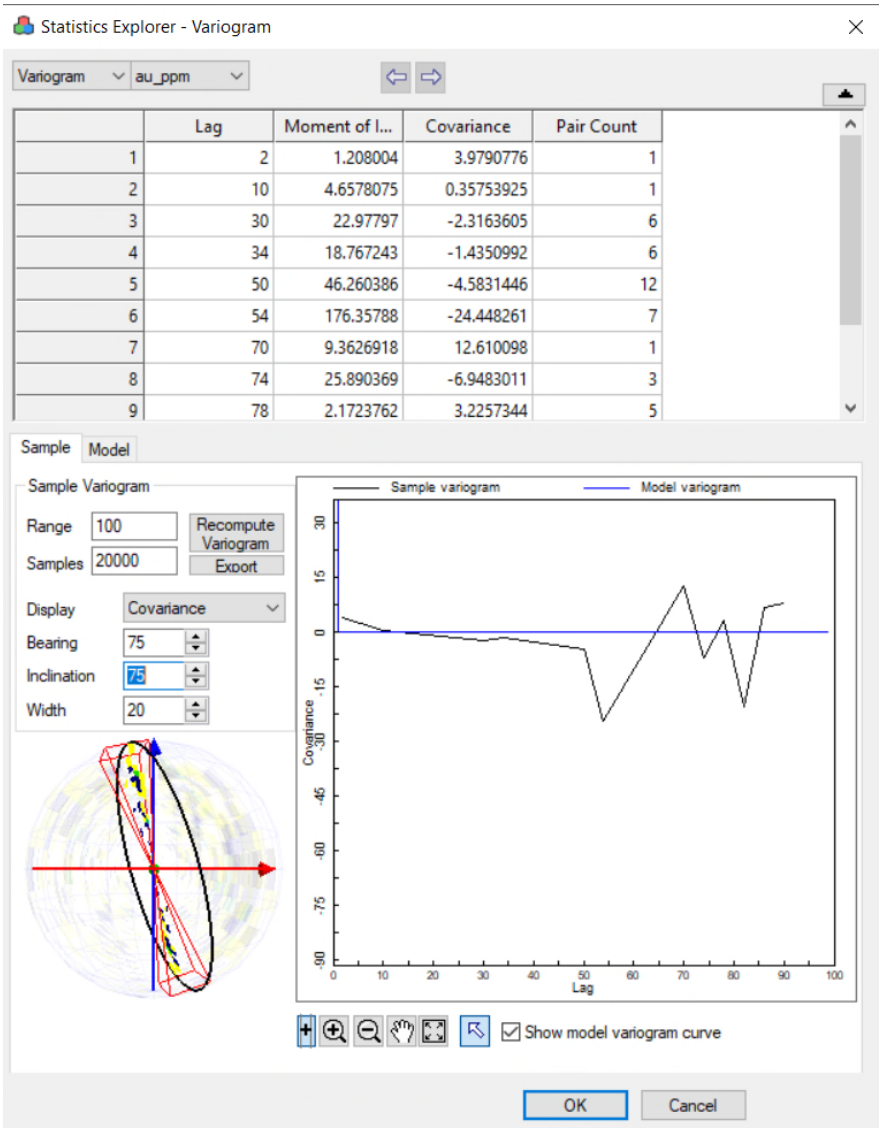


Figure 25. Covariance plot of all composites for the Main Vein shows no covariance.

Block Model Estimate

A series of tabular blocks 1.5 m x 8m x 8m were rotated into the plan of the vein for each of the nine veins.

Only composites whose center lies within the solid were used in the estimation. Sub-blocking was not applied due to the small size of the blocks relative to the solids model.

Blocks were constrained to surface topography, and by geology. Blocks west of the inclined sedimentary contact on the western side of the Main Vein and Deep Trench Vein were omitted.

Interpolation Method

The grades of each block were estimated using inverse distance squared methods. It was determined that there was insufficient data to estimate using variography. Estimation ranges of between 75 and 150m were tested and it was determined that 100m provided reasonable results. This is consistent with previous estimates.

Estimation Plans

A single pass search strategy was employed using the maximum supported ellipsoid size. The search ellipsoid was oriented to each solid to lie within the structure. A minimum of 2 and a maximum of 8 composites were allowed for each block, with no restrictions on the maximum from each drillhole due to the oblique nature of many of the intercepts.

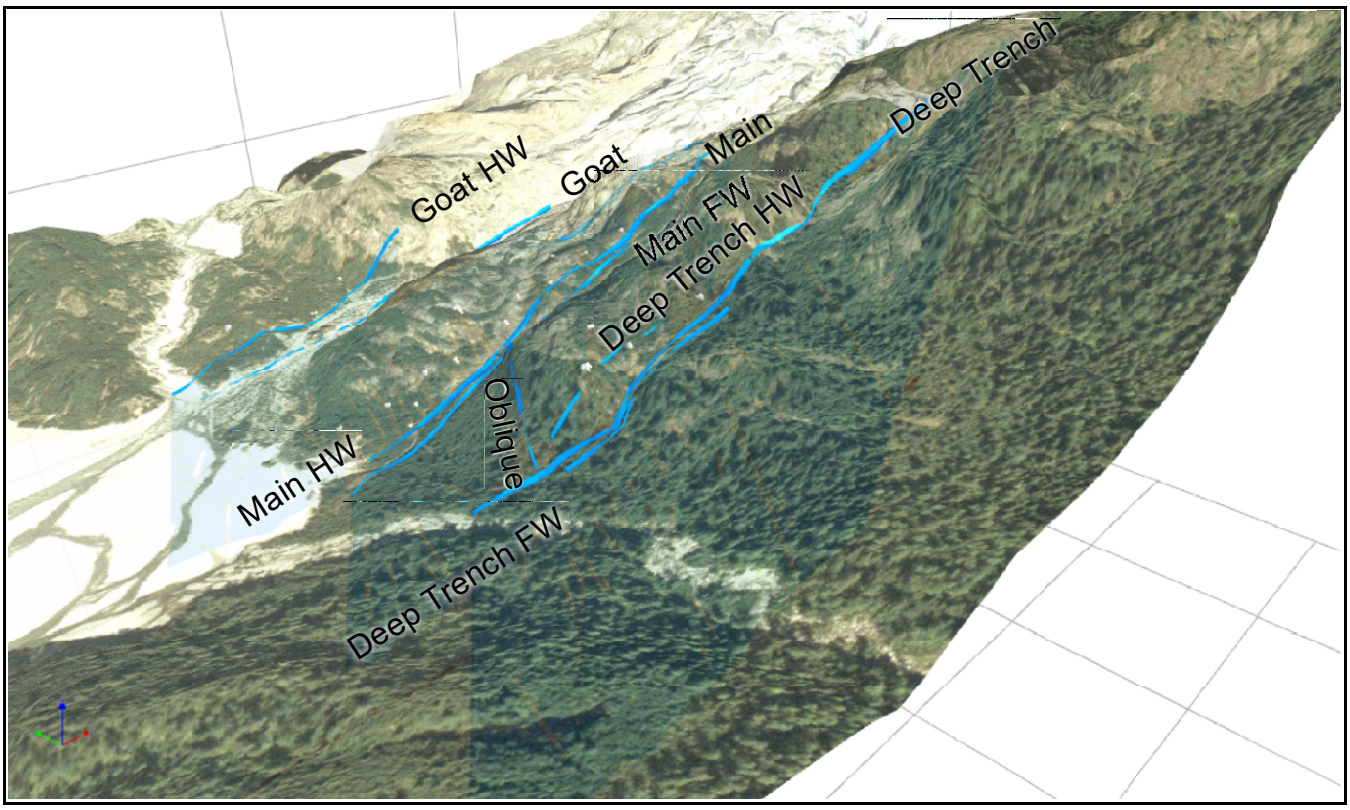


Figure 26. Oblique view, down to the northeast showing all of the vein solids, with an air photograph draped over topography. Grid is 200m spacing

Validation of the Block Model

A graphical validation was done on the block model where cross sections, plans, and a 3D examination were conducted, testing intersections, solids and surface boundaries, and geology. Additional models were constructed removing selected drillholes to test for the robustness of the model. Each block appears to be well represented by the immediately adjoining composites as would be expected using the ID^2 method. An Ordinary Kriged estimate using the same parameters and an automatically generated default isotropic nugget with an anisotropic variogram was run on the Deep Trench Vein and Main Vein as tests, providing similar results to ID^2.

Longitudinal cross sections and cross section populated with the resource blocks for the Deep Trench Vein are shown below with 50 m grids (red) and drill hole traces are shown.

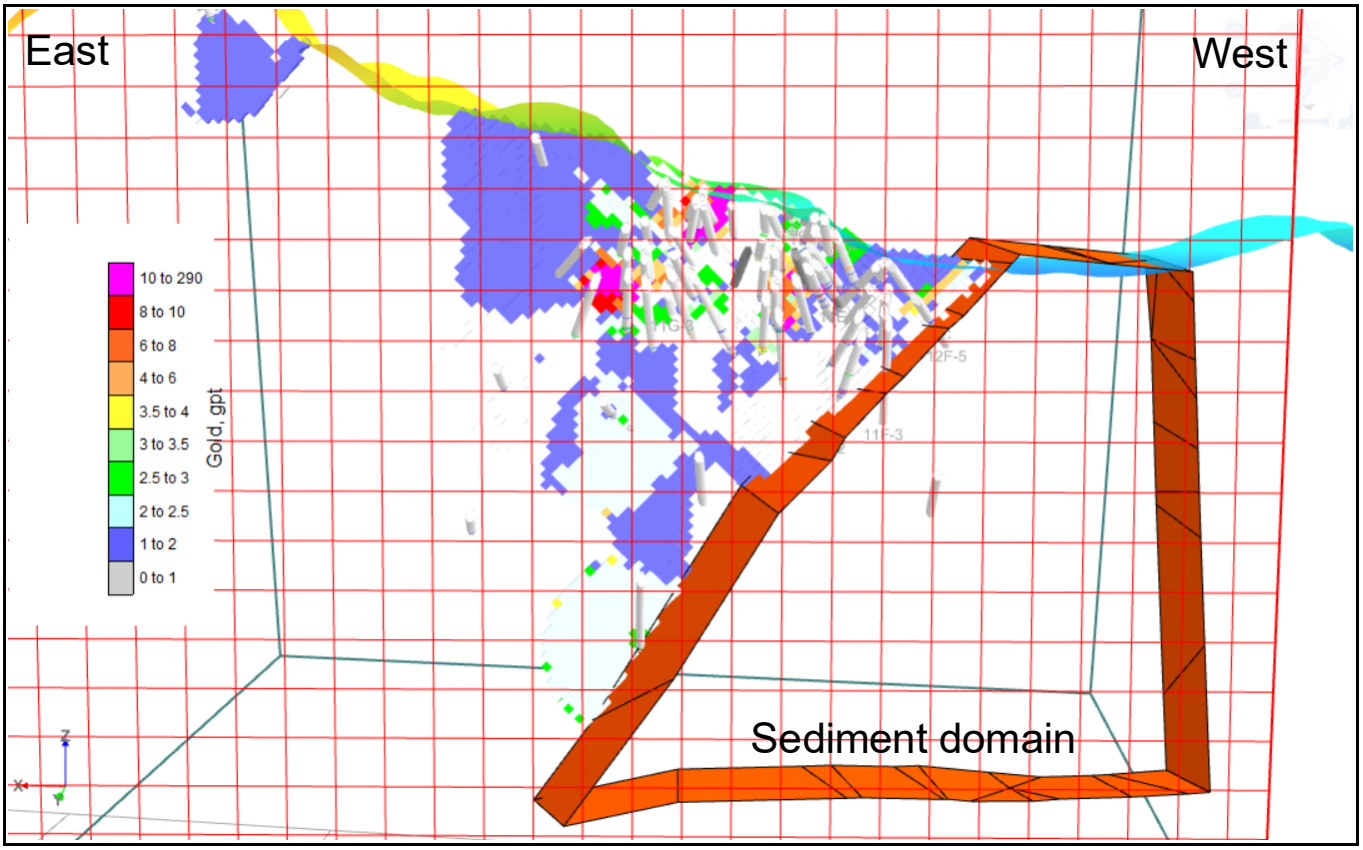


Figure 27. South facing longitudinal cross section of the Deep Trench Vein with drillhole traces and resource blocks shown on a 20m thick slice.

Figure 28. East looking cross section of the Deep Trench Vein with drillhole traces and resource blocks shown on a 20m thick slice.

Longitudinal and cross sections populated with the resource blocks for the Main Vein are shown below with 50 m grids (red).

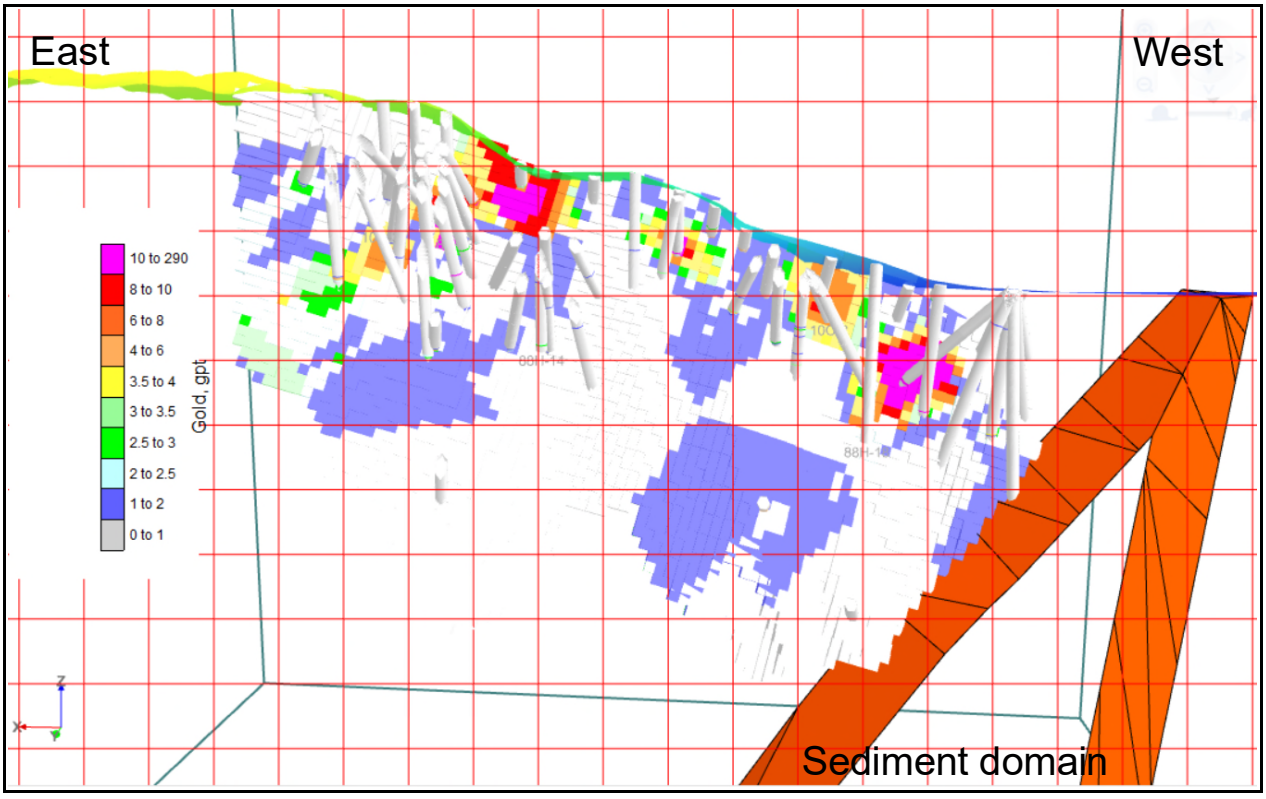


Figure 29. Longitudinal section populated with the resource blocks for the Main Vein are shown with 50 m grids (red).

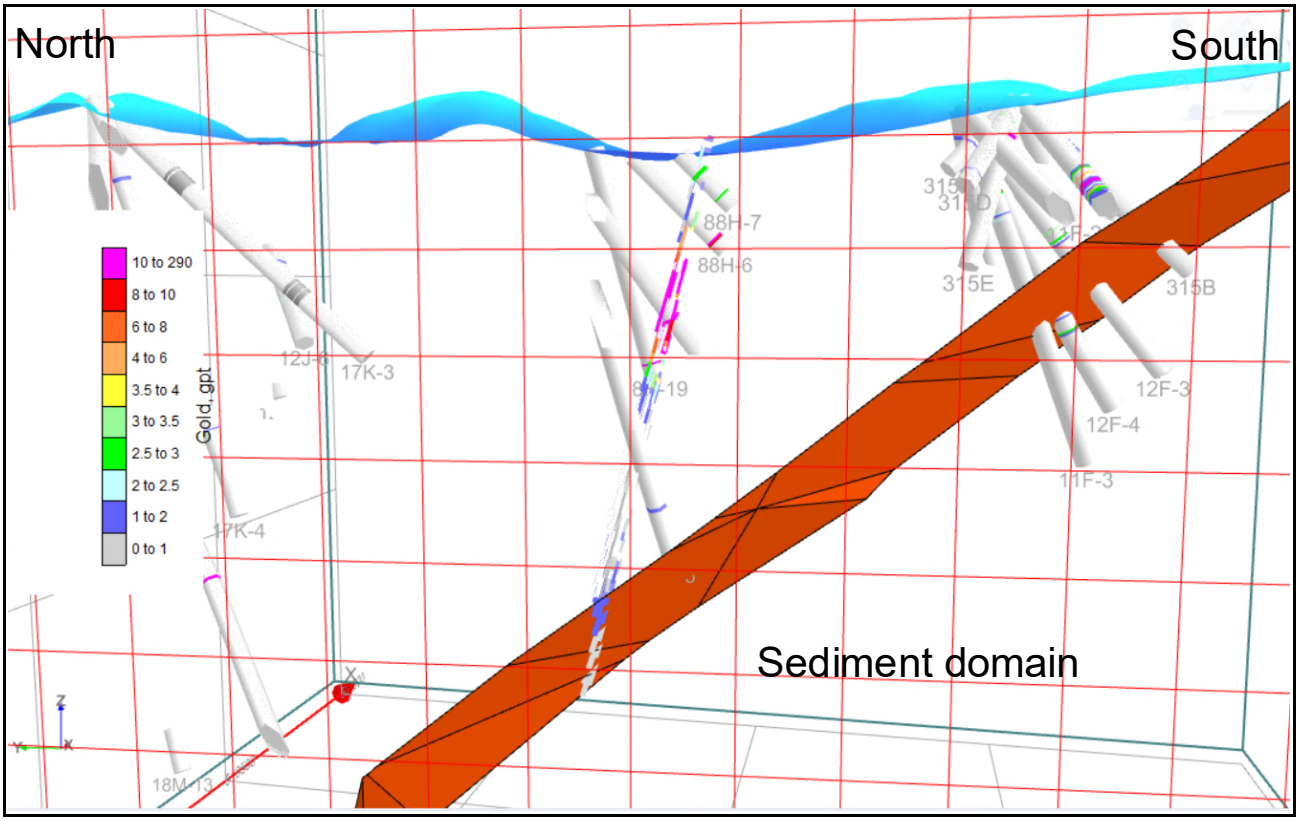


Figure 30. East looking cross section of the Main Vein with drillhole traces and resource blocks shown on a 20m thick slice.

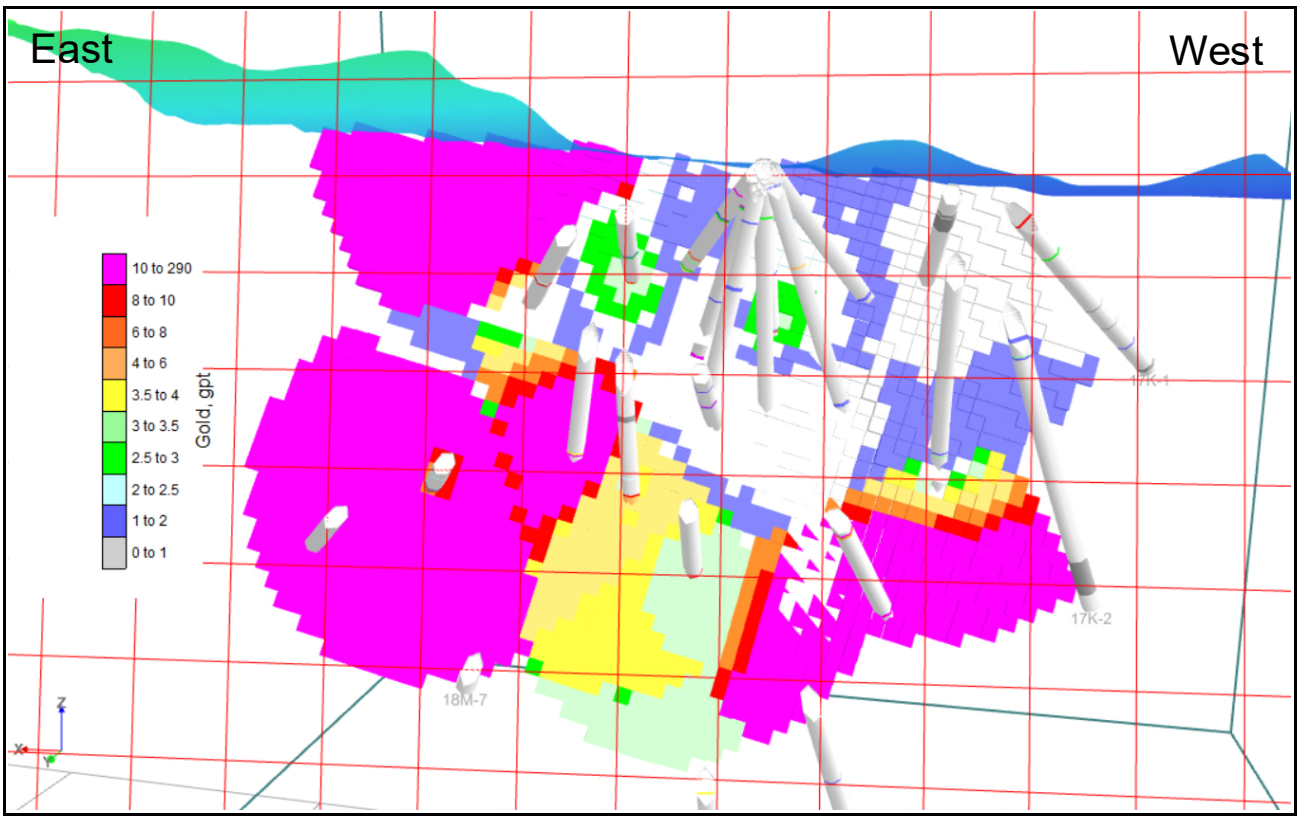


Figure 31. South-facing longitudinal cross section of the Goat Vein with drillhole traces and resource blocks and 50m grid.

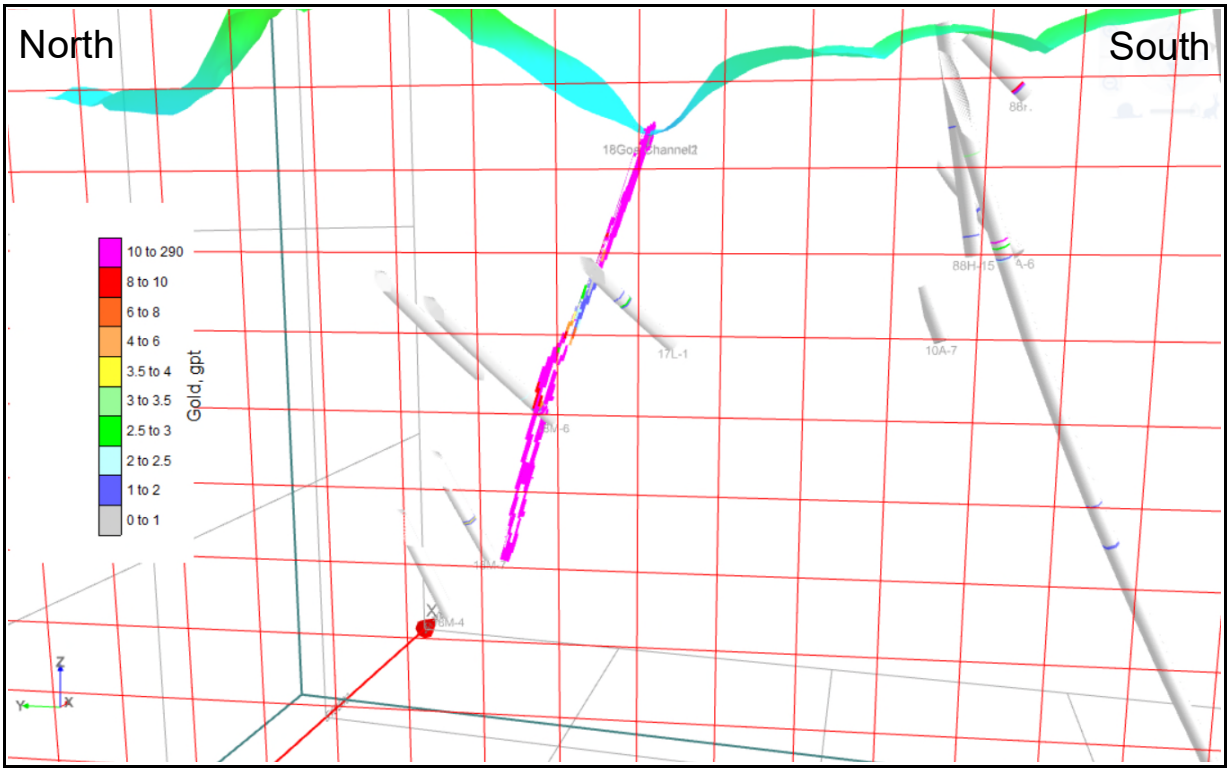


Figure 32. East looking cross section of the Goat Vein with drillhole traces and resource blocks shown on a 20m thick slice.

14.2 Resource Statement

Surface mapping, trenching and diamond drilling demonstrates continuity of mineralization on sections and between sections and enables three dimensional solids models to be constructed. Further modeling of the diamond drill and trench information within the solids enables the grade distribution to be estimated. An analysis of the resource blocks in the Main Vein and Deep Trench Vein reveals that many of the blocks are within 60m of composites, and these form cohesive, well defined domains. It was decided to classify these blocks as Indicated Mineral Resources and the balance as Inferred Mineral Resources. The decision to use a 60 m cut off between Indicated and Inferred Mineral Resources is based upon a break in composite density near this point. All except less than 10% of these resource blocks classified as Indicate Mineral Resource achieve the maximum number of composites in their estimation. A US$1,300 gold price is assumed to be reasonable for these estimation purposes.

The resource classification is presented on **Error! Reference source not found.** and **Error! Reference source not found.** (below) at various cut-offs. It is believed that for the location, geometry and grade distribution, it is reasonable to report the resource at the 2.5 gpt cut-off. All figures use a specific gravity of 2.757, tonnes are rounded to the nearest thousand and ounces are rounded to the nearest hundred.

Table 8. Indicated Mineral Resource by Cut-off

Cut-off	Tonnes	Grade	Ounces
3.0 gpt	1,431,600	12.33	567,450
2.5 gpt	**1,880,500**	**10.03**	**606,500**
2.0 gpt	2,636,100	7.80	660,930

Table 9. Inferred Mineral Resource by Cut-off

Cut-off	Tonnes	Grade	Ounces
3.0 gpt	410,771	18.12	239,280
2.5 gpt	**553,429**	**14.15**	**251,700**
2.0 gpt	913,118	9.48	278,240

Table 10. Indicated Mineral Resourced at 2.5 gpt cut-off, by vein

Vein	Tonnes	Au gpt	ounces Au
Goat North	1,300	3.04	130
Goat HW	142,900	8.27	37,990
Goat Vein	435,900	19.82	277,790
Main HW	132,900	2.72	11,620
Main	392,200	7.57	95,430
Main FW	276,800	6.91	61,490
Oblique	14,800	5.36	2,550
Deep Trench HW	91,000	2.64	7,720
Deep Trench	392,500	8.85	111,740
Totals	**1,880,500**	**10.03**	**606,500**

Table 11. Inferred Mineral Resource at 2.5 gpt cut-off, by vein

Vein	Tonnes	Au gpt	ounces Au
Goat North	-	-	-
Goat HW	54,300	9.15	15,960
Goat Vein	325,300	21.03	219,920
Main HW	95,800	2.76	8,500
Main	27,000	3.12	2,710
Main FW	-	-	-
Oblique	2,600	4.36	370
Deep Trench HW	40,800	2.67	3,490
Deep Trench	7,675	3.17	780
Totals	**553,400**	**14.15**	**251,700**

The presumed mining method would be underground shrinkage mining with 1.5m minimum widths or longhole with 2.0m minimum widths. Similar mines can extract planar steeply dipping veins at US$90 to $120 per tonne and achieve a high degree of extraction.

As such, at current or near current gold prices US$1,300 per ounce, it is determined that there is a reasonable prospect of economic extraction under reasonably anticipated at the declared conditions.

In accordance with the Canadian Institute of Mining, Metallurgy and Petroleum (CIM) Standards on Mineral Resource and Mineral Reserves, adopted by the CIM Council, as amended; the classification of the resource is as an Indicated Mineral Resource where blocks are within 60m of a composite, and as Inferred Mineral Resource where blocks are >60 m and

<100m from two composites, (a minimum three composites for the Goat Vein in an effort to reduce the influence of the 2018 very high-grade composites).

Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability. The mineral resource estimates generally can be affected by environmental, permitting, taxation, socio-economic, marketing, political, metallurgical, mining and infrastructure issues. These issues are normal for any mine development project and clear paths exist to deal with each aspect. No specific issues have been identified that are considered to materially affect the economics of this project.

15 Mineral Reserve Estimates (Item 15)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

16 MINING METHODS (Item 16)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

17 RECOVERY METHODS (Item 17)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

18 PROJECT INFRASTRUCTURE (item 18)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

19 MARKET STUDIES AND CONTRACTS (Item 19)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

20 ENVIRONMENTAL STUDIES, PERMITTING AND SOCIAL OR COMMUNITY IMPACT (Item 20)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

21 CAPITAL AND OPERATING COSTS (Item 21)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

22 ECONOMIC ANALYSIS (Item 22)

The Herbert Gold Property is not an advanced property, and this section does not apply to an early stage exploration project.

23 ADJACENT PROPERTIES (Item 23)

There are five active claim blocks in close proximity to the Herbert Gold Project area. Figure 2 depicts these claims in yellow with the Herbert Gold Project claims in red. The edge of the closest Isa claim block centered on the Mitchell and McPherson prospect (Barnett and Miller, 2003 - JU096) located 1100 m to the northwest. The next claim block 5 km to the northwest includes the Eagle River/Amalga Mine (Barnett and Miller, 2003 - JU094). This currently inactive mine had a reported 30,000 feet of underground workings and a 20-stamp mill dating from the 1930's. To the south within a 6 km radius are two other small claim blocks. The shape and orientation of all the claim blocks suggest a strong NW-SE structural orientation and are consistent with the regional mineralized trend.

24 OTHER RELEVANT DATA AND INFORMATION (Item 24)

The author is not aware of any other data that has material bearing on the Herbert Gold Property.

25 INTERPRETATION AND CONCLUSIONS (Item 25)

The Herbert Gold Project is located in the heart of the historic Juneau Gold District, SE Alaska. Mineralization at the property consists of mesothermal quartz-carbonate-gold-base metal veining and is typical to that seen throughout the district. Three principal veins have been named from south to north and are the Deep Trench (and splays including Lake Vein), Main, and Goat veins. Minor veins include the Oblique (F Vein), Floyd, North, and Ridge. The principal veins strike N80E and dip steeply to the north. The cumulative strike length of all mapped veins at present is over 3,700 m. Drilling at the Herbert Gold Project has been used to define an Indicated and Inferred mineral resource along a portion of the Goat, Main and Trench veins (and associated splays).

The author concludes from observation and work completed to date that the Herbert Gold Project mineralization conforms to a model of orogenic-mesothermal gold mineralization and that such systems in Alaska have potential to develop economically recoverable resources. Work to date has made good progress in identifying mineralized continuity of the Goat, Main and Deep Trench veins along a strike lengths of 530 m, 680 m and 800 m along strike respectively and down dip extents from surface (mean 50 to 150 m AMSL) down to elevations as deep as -330 m (330 m below sea level). No geological evidence has been found to limit the down dip extension of these veins.

The Goat Vein offers a strong potential for additional resources and four more minor veins are not well tested. Additional vein exposures recently exposed by the retreating Herbert Glacier north of the Goat Vein as well as other east-west trending structures identified in the LiDAR survey suggests substantial additional undocumented potential exists.

This resource estimate is strongly influenced by high-grade shoots along the veins which is not atypical for these types of orogenic gold deposits. The eastern-most fence of composites on the Goat Vein includes the following composites:

Drill/Channel	From (m)	To (m)	Length (m)	Grade (Au gpt)
Surface 1	0	1.5	1.5	196.10
Surface 2	0	1.5	1.5	96.08
17L-1	117.1	118.5	1.5	0.73
17L-2	163.5	165.0	1.5	2.72
17L-2	165.0	166.5	1.5	35.93
18M-6	268.5	270.0	1.5	5.88
18M-6	270.0	271.5	1.5	4.88
18M-6	271.5	273.0	1.5	1.03
18M-6	273.0	274.5	1.5	33.91
18M-6	274.5	276.0	1.5	19.55

The resource model is largely dependent on this and other high-grade zones and drill delineation of the downdip extensions and identification of additional shoots are a priority. The resource remains open in multiple directions along these defined veins in addition to there being several highly prospective structures spread over the property.

26 RECOMMENDATIONS (Item 26)

26.1 2019 EXPLORATION PROGRAM

An exploration program designed to increase resources is proposed. The total cost of the program is dependent upon on-going success, and the location of drill platforms, as such a significant contingency cost is included. Specific targets would be to:

a. Continue with an additional fence of holes to the east of the resource on the Goat and Goat Hanging Wall Vein.

b. Additional step out holes to the west of the Goat and Goat Hanging Wall veins at depth.

c. Follow-up on the 27.8 gpt intercept at 146.3 m downhole in 18M-1.

d. General prospecting and sampling south of the Deep Trench Vein focusing on LiDAR lineaments should be considered.

e. Prospecting to the north of the Goat Vein should continue to identify additional veins for follow-up, and drill platforms for those veins can be extended to get deeper cuts on the Goat and potentially Main Vein and their respective splays.

f. Metallurgical testing on cores should be considered on an annual basis, looking at gravity recoverable gold as well as bulk cyanidable (bottle role testing on pulps).

g. Additional specific gravity analyses should be completed to increase the database, incorporating wall rock as well as vein material.

h. Additional baseline studies (water, biology, basic ABA and SWEP testing (or equivalents) should be initiated or followed=up on.

Table 12. Proposed budget and work program to continue to expand Herbert Gold Project resources

Item	description	Cost
Phase One		
Drilling	Further expansion in 10 to 20 drill holes, plus pad construction	$1,500,000
Prospecting	Expand north and south of the known mineralization	$200,000
Metallurgical	Bulk cyanidation, gravity, density	$100,000
Environmental	ABA, SWEP, water, biology	$100,000
Miscellaneous	Administration, support, G&A	$200,000
Subtotal		**$2,100,000**
Phase Two		
Drilling	Conditional upon success in Phase One	$1,100,000
Contingency		$150,000
Subtotal		**$1,250,000**
Total	**Assuming success in Phase One**	**$3,350,000**

The contingency includes immediate follow-up drill capacity to minimize mobilization and set-up costs. These drill holes would not be drilled if the initial drill holes did not support immediate follow-up.

27 REFERENCES (Item 27)

Barnett, J.C., and Miller, L.D., 2003, ARDF report for the Juneau Quadrangle. USGS Open File Report 03-456, 587 p.

Dupre D.G. and Webb, D.R., 2013. Technical Report on the Herbert Gold Project, Juneau District, Southeast Alaska.

Gehrels, G.E. and Berg, H.C. 1992. Geologic map of Southestern Alaska. USGS Miscellaneous Investigation Series Map 1-1867. 1:600,000 map sheet and accompanying booklet 24p.

Gehrels, G.E. and Berg, H.C. 1994, Geology of southeastern Alaska, in: Plafker, G. and Berg, H.C. eds. The Geology of Alaska, Geological Society of America, The Geology of North America, v. G-1.

Groves, D. I., Goldfarb, R. J., Robert, F., Hart, C. J. R., 2003, Gold Deposits in Metamorphic Belts: Overview of Current Understanding, Outstanding Problems, Future Research, and Exploration Significance. Economic Geology 98: 1-29.

Goldfarb, R.J., Miller, L.D., Leach, D.L., and Snee, L.W, 1997, Gold deposits in metamorphic rocks in Alaska, in Goldfarb, R.J., and Miller, L.D., eds., Mineral Deposits of Alaska: Economic Geology Monograph 9:151-190.

G & T Metallurgical Services, Ltd., 2011. Metallurgical testing report on the Herbert Glacier Project, dated March 15, 2011. Internal report, 49 p.

Hawley Resource Group, 2007 to 2011. Digital data files of sampling and assay results, aerial photography and geologic mapping at 1:2200 at Herbert Glacier Project.

Light, T.D., Brew, D.A., and Ashley, R.P., 1989, Gold deposits in metamorphic rocks. USGS Bulletin 1857D 27- 36.

Moerlein, G.A., 1986, Preliminary summary report Herbert Glacier, Juneau, Alaska. Internal report, 17 p.

Moerlein, G.A., 1988, 1988 diamond drilling, Herbert Vein - Juneau, Alaska. Internal report, 38 p.

Redman, E.C., Maas, K.M., Kurtak, J.M., and Miller, L.D., 1989, Bureau of Mines Mineral Investigations in the Juneau Mining District, Alaska, 1984-1988, Volume 2--Detailed mine, prospect, and mineral occurrence descriptions, Section D, Juneau Gold Belt Subarea: U.S. Bureau of Mines Special Publication, 424 p.

APPENDIX I

Glossary of Terms and Abbreviations

Glossary of Technical Terms

Adit – common mining term for a horizontal to sub–horizontal tunnel driven into a hillside to access an ore body.

Agglomerate – a volcanic rock consisting of fragments of *pyroclastic* rocks more than 2 cm in size.

Alkaline – a term applied to igneous rocks which are characterised by relatively high concentrations of sodium and potassium.

Alluvial – deposits of sediment, usually sand and gravel transported and deposited by a river.

Argillaceous rocks – a group of detrital, fine grained, sedimentary rocks subdivided into silt grade (particle size range 1/16 to 1/256 mm) and clay grade (particle size < 1/256 mm).

Arsenide – a mineral formed by the combination of arsenic with another chemical

Barite – a white, yellow or colourless mineral, $BaSO_4$. The principal ore of barium used in paints, drilling muds and as filler for paper and textiles. Syn: baryte, barytes.

Basic – describes an igneous rock with relatively low silica content (between 45–52% SiO_2). Basic rocks are relatively rich in iron, magnesium and calcium and thus include most mafic rocks.

Beneficiation – the process of concentration of the valuable components of an ore or other mineral commodity. Commonly includes multiple stages such as crushing, grinding, washing, screening, flotation, roasting, etc.

Breccia – a rock that has been mechanically, hydraulically or pneumatically broken into angular fragments and re–cemented

Bulk Leach Extractable Gold - more commonly shortened to BLEG is a geochemical sampling/analysis tool used during exploration for gold. It was developed in the early 1980s to address concerns relating to the accurately measuring fine grained gold, and dealing with problems associated with sample heterogeneity.

Calcite – a very common rock forming mineral comprising calcium, carbon and oxygen ($CaCO_3$).

Cenozoic Era – period of geological time extending from 65 million years ago to the present.

Chert – sedimentary rock that is ultra–fine grained and composed almost entirely of silica. May be of organic or inorganic origin.

Core strategy: sets out the long-term spatial vision for the local planning authority area, the spatial objectives and strategic policies to deliver that vision. The core strategy will have the status of a *development plan document*.

Cretaceous – period of geological time from 142 to 65.5 million years ago. Marks the end of the *Mesozoic Era*.

Devonian – period of geological time from 417 to 354 million years ago.

Electrolytic – the process of extracting metal based on passing an electric current through a solution containing dissolved metals, causing the metals to be deposited on the cathode.

Extrusive – describes igneous rocks that have been formed by solidification of magma on or above the Earth's surface.

Felsic – In modern usage, the term felsic rock, although sometimes used as a synonym, refers to a high-silica-content (greater than 63% SiO_2 by weight) volcanic rock, such as rhyolite. In order to be classified as felsic, it generally needs to contain >75% felsic minerals; namely quartz, orthoclase and plagioclase. Rocks with greater than 90% felsic minerals can also be called *leucocratic*, meaning 'light-colored'.

Footwall – the name given to the host rock of an ore deposit that is physically below the ore deposit.

Gangue – the undesirable or unwanted minerals in an ore deposit.

Graben - An elongated block of the earth's crust lying between two faults and displaced downward relative to the blocks on either side, as in a rift valley.

Hangingwall – the name given to the host rock of an ore deposit that is physically above the ore deposit.

Highwall mining – mining method used to maximize the output of an open–pit coal mine. Remotely operated cutting or boring machines are used to penetrate the coal seam at the foot of the highwall (the final wall in an open–pit) to extract coal.

Hydrometallurgy – the treatment of ores by wet processes, resulting in the dissolution of a particular component and its subsequent recovery by precipitation, adsorption or electrolysis.

Igneous – one of the three main groups of rocks on Earth. They have a crystalline texture and appear to have consolidated from a silicate melt (magma).

Inductively coupled plasma mass spectrometry (ICP-MS) -- a type of mass spectrometry that is highly sensitive and capable of the determination of a range of metals and several non-metals at concentrations below one part in 10^{12} (part per trillion). It is based on coupling together an inductively coupled plasma as a method of producing ions (ionization) with a mass spectrometer as a method of separating and detecting the ions. ICP-MS is also capable of monitoring isotopic speciation for the ions of choice.

Intrusion – a body of *igneous* rock emplaced into pre–existing rocks, either along some structural feature such as a fault or by deformation and rupturing of the invaded rocks. (Intrusive, *adj*).

Jurassic – period of geological time from 205.1–142 million years ago.

Kaolin – group of pale coloured clay minerals. In the UK kaolin is an industrial mineral extracted from kaolinised granites in south–west England. It is used as a paper filler and coater, and for high grade ceramics and pottery (china clay). .

Lenticular – lens shaped body of rock.

Lode – mining term for a mineralized *vein* (used irrespective of whether the *vein* can be economically extracted).

Mesozoic Era – period of geological time from 250 to 65.5 million years ago.Subdivided into the *Triassic*, *Jurassic* and *Cretaceous* periods.

Miocene – period of geological time from 23.8 to 5.32 million years ago.

Mudstone – fine grained sedimentary rocks that are similar to *shales* in their non–plasticity, cohesion and low water content but lack fissility.

Neogene – part of the *Cenozoic Era*, comprising the *Miocene* and *Pliocene* epochs from 23.8 to 1.81 million years ago.

Oligocene – period of geological time from 28.5 to 23.8 million years ago.

Ordovician – period of geological time from 495 to 440 million years ago.

Paleogene – part of the *Cenozoic Era* comprising the *Paleocene*, *Eocene* and *Oligocene* epochs, from 65.5 to 23.8 million years ago.

Paleozoic Era – period of geological time from 545 to 245 million years ago.Subdivided into the *Cambrian*, *Ordovician*, *Silurian*, *Devonian*, *Carboniferous* and *Permian Periods*.

Permian – period of geological time from 280 to 255 million years ago marks the end of the Paleozoic Era. Globally important source of coal.

Pliocene – period of geological time from 5.3 to 1.81 million years ago.

Precambrian - an informal name for the span of time before the current *Phanerozoic* Eon, and is divided into several eons of the geologic time scale. It spans from the formation of Earth around 4600 Ma (million years ago) to the beginning of the Cambrian Period, about 542 Ma, when macroscopic hard-shelled animals first appeared in abundance. Accounts for 90% of all geological time and ends approximately 545 million years ago.

Proterozoic - a geological eon representing a period before the first abundant complex life on Earth. The Proterozoic Eon extended from 2500 Ma to 542.0 ± 1.0 Ma (million years ago), and is the most recent part of the old, informally named 'Precambrian' time.

Pyroclastic – fragmental volcanic material that has been blown into the atmosphere by an explosive eruption.

Pyrometallurgical – the treatment of ores by processes involving heating.

Quarrying (mining) – the extraction of rock from an open pit site.

Quaternary – the uppermost part of the *Cenozoic Era* from 1.81 million years ago to present day.

Refractory – a general term for a material that resists chemical or physical change.

Refractory ore – ore from which it is difficult to extract the valuable constituents. This material may require special treatments, such as pressure leaching, to recover the valuable minerals.

Sedimentary rocks – rocks formed from material derived from other rocks by weathering. Deposited by water, wind or ice.

Silurian – period of geological time from 440 to 417 million years ago.

Stope – mining term for the underground void left after ore extraction has taken place.

Stratabound – an ore deposit that is confined to a single stratigraphic bed or horizon but which does not constitute the entire bed.

Stratiform – an ore deposit that occurs as a specific stratigraphic (i.e. sedimentary) bed.

Sulphide – a mineral formed by the combination of sulphur with another chemical element. Most economic deposits of non–ferrous metals occur as sulphide minerals e.g. galena, PbS; sphalerite, ZnS; chalcopyrite, $CuFeS_2$.

Triassic – period of geological time from 250 to 205.1 million years ago. This period marks the beginning of the *Mesozoic Era*.

Tuff -- (from the Italian *tufo*) is a type of rock consisting of consolidated volcanic ash ejected from vents during a volcanic eruption.

Tuff Breccia and Volcanic Agglomerate - as distinguished from the true ashes, these tend to occur in angular fragments; and when they form a large part of the mass the rock is more properly a "volcanic breccia" than a tuff. The ashes vary in size from large blocks ten meters or more in diameter to the minutest impalpable dust. Any ash in which large angular blocks are very abundant is called an agglomerate.

Ultrabasic – describes an igneous rock containing less than 45% silica (SiO_2), including most ultramafic rocks.

Ultramafic – composed chiefly of *ferromagnesian* (Fe–Mg) minerals, such as olivine and pyroxene.

Vein – A tabular or sheet–like assemblage of minerals that has been intruded into a joint or fissure in rocks.

Volcanogenic massive sulphide, VMS – an ore deposit typically comprising a lens of massive sulphide minerals (>60% sulphide) formed by volcanic processes normally on the sea–floor. VMS deposits are important sources of copper, lead and zinc.

Wallrock – an economic geology term used to describe the rock adjacent to an accumulation of ore minerals (veins, layers, disseminations, etc.).

Workings – the current or past underground or surface openings and tunnels of a mine. More specifically, the area where the ore has been extracted.

Zoning – in economic geology, the spatial distribution of distinct mineral assemblages or chemical elements associated with an ore–forming process.

Abbreviations

Unless otherwise indicated, the metric system of measure has been used throughout this report, including metric tons (tonnes, t), kilograms (kg) or grams (g) for weight, kilometers (km) or metres (m) for distance, hectares (ha) for area, liters (L) for volume and grams per tonne for gold (g/t Au) and silver (g/t Ag) grades. Base metal grades are usually expressed in weight percent (%). Geochemical results or precious metal grades may be expressed in parts per million (ppm) or parts per billion (ppb) (1 ppm = 1 g/t). Precious metal quantities may also be reported in troy ounces (ounces, oz), a common practice in the mining industry. In the Imperial System, significant gold concentrations are reported as troy ounces per short ton. In the metric system, gold concentration is now reported in grams per metric tonne. One troy ounce per short ton= 34.2857 grams per metric tonne. Currency values are in Canadian dollars ($CDN).

Description	Abbreviation	Description	Abbreviation
Atomic absorption	AA	Millions of years ago	Ma
Acme Analytical Laboratories	Acme	Inductively coupled plasma mass	ICPAR-UT
Banded Iron Formation	BIF	Kilometre(s)	km
Bulk Leach Extractable Gold	BLEG	Lead	Pb
Canadian Dollars	$CDN	Methyl isobutyl ketone	MIBK
Canadian National Instrument 43-101	NI 43-101	Ounce(s)/Troy ounce(s)	oz
Centimetre(s)	Cm	Ounce per ton	Oz/t
Gainey Capital Corp.	GCC	Parts per billion	ppb
Degree(s)	^{0}	Parts per million	ppm
Degrees Centigrade/Celsius	^{0}c	Percent	%
Foot/feet	ft.	Qualified Person(s)	QP(s)
Fire Assay	FA	Quality Assurance/Quality Control	QA/QC
Geological Survey of Canada	GSC	Reduced Level	RL
Gold	Au	Rock quality designation	RQD
Gram(s)	g	Silver	Ag
Gram-metres per tonne, metres x	g/t	Specific gravity	SG
Grams per tonne	g/t	Square kilometers	km2
Micron(s)	µ	Three-dimensional	3D
Metre(s)	m	Tonnes per cubic metre	t/m3
Metres above sea level	masl	Two-dimensional	2D
Inch(es)	in	Volcanogenic massive sulphide deposits	VMS

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Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 30-NOV-2018
This copy reported on
7-DEC-2018
Account: PORCES

CERTIFICATE FA18289827

Project: Herbert Gold

This report is for 26 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 1-NOV-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
FND-03	Find Reject for Addn Analysis
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289827

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
350901		2.36	0.167	<0.5	8.52	6650	1170	1.5	<2	5.45	<0.5	8	12	7	3.56	20
350902		2.20	0.095	<0.5	8.04	1730	1460	1.2	2	4.38	0.5	14	13	24	4.17	20
350903		2.36	0.422	<0.5	8.32	4950	1510	1.2	<2	4.45	0.5	17	17	15	4.53	20
350904		2.45	0.502	<0.5	8.13	8050	1340	1.2	<2	4.57	0.5	14	13	10	4.47	20
350905		2.36	0.402	<0.5	7.87	>10000	1380	1.1	<2	4.90	0.6	14	12	9	4.14	20
350906		1.31	0.531	<0.5	7.98	3980	1380	1.2	<2	4.35	0.5	16	13	24	4.79	20
350907		1.70	0.004	<0.5	8.11	89	1320	1.1	<2	4.21	0.6	15	14	24	4.53	20
350908		2.46	0.007	<0.5	8.68	193	880	1.5	<2	4.60	<0.5	4	7	4	1.47	20
350909		2.22	0.001	<0.5	7.70	45	920	1.1	<2	3.34	<0.5	6	9	7	2.02	20
350910		<0.02														
350911		1.78	0.112	<0.5	5.40	2870	680	0.7	<2	2.92	<0.5	7	16	12	2.77	10
350912		1.80	0.033	<0.5	7.76	1480	1080	1.1	<2	3.75	<0.5	15	15	16	4.41	20
350915		1.79	<0.001	<0.5	8.23	21	960	1.1	<2	4.62	<0.5	15	17	13	4.67	20
350916		1.79	0.025	<0.5	8.05	67	1070	1.1	<2	4.76	0.5	16	13	13	4.52	20
350917		1.70	0.003	<0.5	8.11	20	740	1.3	<2	4.16	<0.5	18	15	16	4.87	20
350918		2.50	0.001	<0.5	8.03	13	1940	1.1	3	4.23	0.6	16	14	33	4.71	20
350919		1.83	0.002	<0.5	7.57	6	590	1.0	<2	5.75	0.5	15	16	7	4.43	20
350920		2.03	0.006	<0.5	7.74	14	980	1.1	<2	4.53	0.6	16	15	13	4.53	20
350921		2.11	0.005	<0.5	7.93	13	780	1.2	2	4.82	0.7	18	15	14	4.97	20
350922		2.39	0.050	<0.5	7.50	40	730	1.1	<2	4.58	0.7	16	16	21	4.85	20
350925		2.36	<0.001	<0.5	8.15	<5	1000	1.2	<2	4.78	0.5	16	22	11	5.11	20
350927		2.40	0.453	<0.5	7.32	5400	1120	1.0	<2	4.26	1.0	17	20	20	4.56	20
350928		1.47	0.282	<0.5	7.42	>10000	1110	1.0	<2	5.09	0.8	18	19	23	6.01	20
350929		1.10	0.394	<0.5	7.94	1720	1280	1.0	<2	6.68	12.7	16	15	35	4.46	20
350931		1.62	1.660	<0.5	8.08	6890	1080	1.1	<2	4.82	0.9	17	15	21	4.70	20
350932		<0.02														

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

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 30-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289827

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
350901		0.68	10	1.75	1275	<1	4.68	4	1230	22	0.38	<5	11	770	<20	0.40
350902		1.42	10	1.64	889	<1	3.06	5	1160	27	0.27	<5	11	702	<20	0.44
350903		1.24	10	1.76	953	<1	3.39	4	1260	13	0.42	<5	12	755	<20	0.48
350904		1.12	10	1.65	828	<1	3.05	4	1150	12	0.49	<5	13	716	<20	0.43
350905		1.11	10	1.39	842	<1	3.33	3	1110	7	0.81	<5	11	569	<20	0.40
350906		1.46	10	1.68	894	1	2.93	4	1200	11	0.52	<5	15	700	<20	0.46
350907		1.38	10	1.69	830	<1	2.66	3	1190	11	0.13	<5	13	640	<20	0.46
350908		0.61	10	0.34	285	<1	3.87	2	440	19	0.02	<5	3	953	<20	0.14
350909		0.89	10	0.59	324	1	3.40	2	580	15	0.02	<5	5	664	<20	0.22
350910																
350911		0.88	10	1.00	487	<1	1.55	3	710	13	0.25	<5	8	449	<20	0.26
350912		1.14	10	1.59	763	<1	2.49	4	1140	8	0.18	<5	12	604	<20	0.43
350915		1.17	10	1.72	871	<1	2.65	4	1200	13	<0.01	<5	15	764	<20	0.49
350916		1.61	10	1.79	975	2	2.38	5	1190	11	0.06	<5	14	566	<20	0.44
350917		1.70	10	1.76	872	1	2.21	9	1330	5	0.04	<5	15	494	<20	0.51
350918		1.67	20	1.76	878	<1	2.38	6	1270	3	0.04	<5	14	482	<20	0.48
350919		1.67	20	1.59	1005	<1	1.83	4	1230	3	0.01	<5	15	467	<20	0.44
350920		2.03	10	1.60	881	<1	1.95	4	1250	5	0.11	<5	13	447	<20	0.46
350921		1.81	10	1.82	887	<1	2.09	5	1290	7	0.13	<5	13	588	<20	0.47
350922		2.32	10	1.66	844	<1	1.93	6	1260	2	0.17	<5	13	449	<20	0.46
350925		1.23	10	1.87	961	<1	2.65	6	1340	12	<0.01	<5	17	767	<20	0.53
350927		1.83	10	1.71	855	1	1.97	5	1160	10	0.55	5	13	431	<20	0.42
350928		1.50	20	1.83	988	<1	2.22	5	1280	10	1.52	<5	17	604	<20	0.48
350929		1.10	10	1.84	1395	<1	2.55	5	1200	168	0.41	<5	14	930	<20	0.44
350931		1.29	10	1.79	880	<1	2.27	5	1280	51	0.55	<5	15	544	<20	0.46
350932																

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VANCOUVER BC V6C 2T5

Finalized Date: 30-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289827

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
350901		10	<10	123	30	108	
350902		<10	<10	119	10	125	
350903		<10	<10	126	10	112	
350904		<10	<10	119	10	108	
350905		10	<10	106	30	85	1.600
350906		<10	<10	122	<10	109	
350907		<10	<10	115	300	106	
350908		<10	<10	35	360	38	
350909		<10	<10	52	<10	47	
350910							
350911		<10	<10	73	10	65	
350912		<10	<10	112	10	102	
350915		<10	<10	124	<10	113	
350916		<10	<10	118	<10	104	
350917		<10	<10	138	10	111	
350918		10	<10	131	<10	110	
350919		<10	<10	125	10	94	
350920		<10	<10	125	20	91	
350921		<10	<10	135	20	102	
350922		<10	<10	134	60	84	
350925		<10	<10	139	<10	121	
350927		<10	<10	127	30	110	
350928		<10	<10	138	40	89	2.83
350929		<10	<10	120	120	320	
350931		<10	<10	130	30	112	
350932							

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

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289827

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	FND-03	LOG-22
	PUL-31	SPL-22Y	WEI-21	

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-QC			

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To: GRANDE PORTAGE RESOURCES LTD.
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Finalized Date: 8-DEC-2018
Account: PORCES

CERTIFICATE FA18289735

Project: Herbert Gold

This report is for 6 Pulp samples submitted to our lab in Fairbanks, AK, USA on 1-NOV-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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 *****

Comments: Additional Au-AA25 & Au-AA25D check assays for sample 350930 report 3.89 ppm and 7.69 ppm respectively.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 8-DEC-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289735

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-ICP21 Au ppm 0.001
350913		3.09	12.30	2.50	0.926	75.40	1171.5	2.52	2.47	2.66
350914		0.93	0.57	0.96	0.040	70.22	1180.0	0.94	0.97	0.937
350923		0.57	1.13	0.54	0.069	60.90	1178.0	0.51	0.57	1.265
350924		1.44	3.55	1.29	0.303	85.40	1165.0	1.28	1.30	1.250
350926		5.82	23.1	4.52	2.036	88.04	1168.0	4.57	4.47	4.25
350930		7.50	35.0	5.72	2.660	76.08	1171.5	7.08	4.36	7.99

Comments: Additional Au-AA25 & Au-AA25D check assays for sample 350930 report 3.89 ppm and 7.69 ppm respectively.

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

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 8-DEC-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289735

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
FND-02	SCR-21		

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 13-DEC-2018
Account: PORCES

CERTIFICATE FA18289724

Project: Herbert Gold

This report is for 6 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 1-NOV-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
DRY-21	High Temperature Drying
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6C 2T5

Finalized Date: 13-DEC-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289724

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
350913		2.72	2.8	7.11	>10000	1100	1.1	<2	4.27	0.7	15	16	11	4.00	20	1.47
350914		2.07	<0.5	7.52	3250	860	1.2	<2	3.94	0.5	14	16	16	4.27	20	1.75
350923		1.85	0.7	7.48	3610	940	1.2	<2	4.54	1.0	16	20	17	4.88	20	2.22
350924		1.43	0.7	1.96	4900	480	<0.5	<2	2.21	0.9	3	20	3	1.89	<10	0.49
350926		1.49	3.4	4.30	>10000	440	<0.5	<2	2.32	1.2	8	23	8	4.03	10	0.52
350930		2.20	0.9	3.74	7370	660	0.5	2	2.80	4.2	7	33	13	2.04	10	0.92

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Finalized Date: 13-DEC-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289724

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10
35091 3		10	1.49	811	2	3.36	5	1040	16	0.84	<5	11	539	<20	0.40	<10
35091 4		20	1.58	762	1	1.95	3	1080	8	0.29	<5	14	420	<20	0.42	<10
35092 3		20	1.68	771	1	1.50	4	1210	13	0.40	<5	16	418	<20	0.46	<10
35092 4		<10	0.55	350	1	0.47	1	270	30	0.41	<5	4	144	<20	0.11	<10
35092 6		10	0.65	391	2	2.30	7	250	42	1.88	<5	4	184	<20	0.18	<10
35093 0		10	0.67	510	2	0.86	6	580	114	0.43	<5	7	143	<20	0.20	<10

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VANCOUVER BC V6C 2T5

Finalized Date: 13-DEC-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289724

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
350913		<10	107	60	95	1.580
350914		<10	119	30	99	
350923		<10	138	50	97	
350924		<10	34	20	62	
350926		<10	42	40	73	3.41
350930		<10	56	40	146	

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13-DEC-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18289724

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:	CRU-31	DRY-21	LOG-22	SPL-22Y
	WEI-21			

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

Applies to Method:	As-OG62	ME-ICP61	ME-OG62	PUL-32

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To: GRANDE PORTAGE RESOURCES LTD.
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Finalized Date: 15-NOV-2018
This copy reported on
7-DEC-2018
Account: PORCES

CERTIFICATE FA18275261

Project: Herbert Gold

This report is for 3 Pulp samples submitted to our lab in Fairbanks, AK, USA on 31-OCT-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 15-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18275261

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)mg mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-ICP21 Au ppm 0.001
350881		0.97	5.33	0.63	0.351	65.84	844.4	0.65	0.60	0.567
350884		1.94	1.55	1.97	0.090	58.05	835.2	1.97	1.96	1.745
350886		3.64	4.31	3.61	0.180	41.73	817.6	3.88	3.34	3.32

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18275261

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
BAG-01	FND-02	SCR-21	

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To: GRANDE PORTAGE RESOURCES LTD.
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Finalized Date: 12- NOV- 2018
Account: PORCES

CERTIFICATE FA18275147

Project: Herbert Gold

This report is for 4 Pulp samples submitted to our lab in Fairbanks, AK, USA on 31- OCT- 2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
BAG- 01	Bulk Master for Storage
SCR- 21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
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VANCOUVER BC V6C 2T5

Finalized Date: 12-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18275147

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-ICP21 Au ppm 0.001
350985		0.26	0.18	0.27	0.012	68.11	859.3	0.25	0.29	0.249
350992		0.76	0.54	0.78	0.040	74.43	805.4	0.75	0.81	0.648
350998		0.13	0.16	0.13	0.011	67.42	825.8	0.12	0.13	0.125
350999		1.53	6.17	1.23	0.328	53.15	830.3	0.98	1.48	1.330

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

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 12-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18275147

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
BAG-01	FND-03	SCR-21	

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 14- NOV- 2018
Account: PORCES

CERTIFICATE FA18275124

Project: Herbert Gold

This report is for 5 Pulp samples submitted to our lab in Fairbanks, AK, USA on 31- OCT- 2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
BAG- 01	Bulk Master for Storage
SCR- 21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- GRA21d	Au 30g FA- GRAV finish - DUP	WST- SIM
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	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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VANCOUVER BC V6C 2T5

Finalized Date: 14-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18275124

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-GRA21d Au ppm 0.05	Au-GRA21 Au ppm 0.05	Au-ICP21 Au ppm 0.001
350937		90.4	1620	28.7	52.701	32.52	806.1	29.6	27.8		26.9	>10.0
350940		0.30	0.22	0.31	0.012	55.05	804.6	0.25	0.37			0.303
350942		15.40	304	5.77	8.693	28.60	857.0	5.94	5.59			5.21
350952		0.13	0.15	0.13	0.010	66.59	777.4	0.12	0.14			0.156
350953		193.0	785	140.0	54.141	69.01	773.9	>100	>100	140.0	140.0	>10.0

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

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14- NOV- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18275124

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:

Au- AA25	Au- AA25D	Au- GRA21	Au- GRA21d
Au- ICP21	Au- SCR21	BAG- 01	FND- 03
SCR- 21			

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Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 19-NOV-2018
This copy reported on
7-DEC-2018
Account: PORCES

CERTIFICATE FA18270074

Project: Herbert Gold

This report is for 5 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 3-OCT-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	
As-OG62	Ore Grade As - Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6C 2T5

Finalized Date: 19-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270074

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
350937		25.7	1.23	5190	200	<0.5	13	0.99	3.8	1	62	3	1.35	<10	0.31	<10
350940		1.1	3.67	4390	580	0.5	5	1.86	1.0	5	18	10	1.97	10	1.08	10
350942		5.9	0.78	2260	230	<0.5	<2	1.15	0.5	1	20	2	0.98	<10	0.19	<10
350952		2.1	7.96	431	840	1.0	<2	5.80	1.9	16	15	16	4.75	20	2.20	10
350953		90.0	4.30	>10000	300	0.7	5	3.96	210	8	17	42	5.11	10	0.90	10

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

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VANCOUVER BC V6C 2T5

Finalized Date: 19-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270074

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10
350937		0.31	211	4	0.39	3	150	4270	0.33	<5	2	99	<20	0.06	<10	<10
350940		0.66	381	<1	0.82	3	500	164	0.29	9	6	183	<20	0.18	<10	<10
350942		0.18	218	<1	0.14	2	110	468	0.13	<5	1	58	<20	0.04	<10	<10
350952		1.76	926	<1	1.81	5	1220	23	0.28	<5	13	467	<20	0.46	10	<10
350953		0.83	581	<1	1.05	3	600	>10000	3.54	12	7	216	<20	0.22	<10	<10

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

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To: GRANDE PORTAGE RESOURCES LTD.
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VANCOUVER BC V6C 2T5

Finalized Date: 19-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270074

Sample Description	Method Analyte Units LOD	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	Pb-OG62 Pb % 0.001	As-OG62 As % 0.001
350937		19	10	73		
350940		54	30	52		
350942		14	50	16		
350952		126	60	111		
350953		71	30	7170	1.215	0.912

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

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To: GRANDE PORTAGE RESOURCES LTD.
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VANCOUVER BC V6C 2T5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270074

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:			
CRU-31	LOG-22	SPL-22Y	

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

Applies to Method:			
As-OG62	ME-ICP61	ME-OG62	Pb-OG62
PUL-32	PUL-QC		

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 7-NOV-2018
Account: PORCES

CERTIFICATE FA18270063

Project: Herbert Gold

This report is for 18 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 3-OCT-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-22c	Crush entire sample > 70% - 19 mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270063

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
350933		1.83	0.029	<0.5	6.97	3160	1120	1.0	<2	4.58	<0.5	11	13	12	3.91	20
350934		2.55	0.234	<0.5	5.93	4240	950	0.9	<2	2.78	<0.5	10	23	19	2.98	20
350935		1.73	0.002	<0.5	7.69	75	1420	1.1	2	4.56	<0.5	16	16	13	4.38	20
350936		1.45	0.040	<0.5	7.43	260	1190	1.1	<2	4.38	0.5	15	16	15	4.34	20
350938		1.65	<0.001	<0.5	7.84	12	850	1.2	<2	4.82	0.5	17	18	17	5.10	20
350939		0.97	0.282	2.6	7.56	1690	900	1.1	<2	3.86	1.5	14	16	14	4.37	20
350941		0.66	0.001	<0.5	0.11	5	20	<0.5	7	37.9	<0.5	<1	4	1	0.07	<10
350943		2.69	0.165	<0.5	7.53	1800	1170	1.1	<2	4.70	<0.5	14	17	18	4.54	20
350944		2.24	0.008	<0.5	7.70	17	960	1.1	<2	4.55	<0.5	16	14	16	4.61	20
350945		1.91	0.014	1.4	7.91	71	900	1.0	<2	5.00	<0.5	16	15	12	4.55	20
350946		1.57	0.006	<0.5	7.74	60	790	1.1	<2	4.40	<0.5	18	16	11	5.06	20
350947		2.82	0.483	<0.5	7.96	2790	1060	1.2	<2	4.59	0.7	16	18	20	4.71	20
350948		2.76	0.186	<0.5	7.45	1550	850	1.1	<2	5.21	0.5	16	15	19	4.59	20
350949		0.07	1.070	<0.5	6.84	11	160	<0.5	<2	6.89	<0.5	46	194	157	7.83	20
350950		2.70	0.035	<0.5	7.53	893	740	1.0	<2	5.06	<0.5	15	17	20	4.51	20
350951		2.94	0.030	<0.5	7.56	604	880	1.1	<2	4.45	<0.5	15	13	14	4.15	20
350954		1.44	0.042	<0.5	7.68	466	1000	1.1	<2	4.52	<0.5	18	21	28	4.95	20
54527		2.29	0.017	1.1	7.50	5	450	0.8	<2	7.15	<0.5	5	13	7	1.51	20

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270063

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
350933		1.55	10	1.30	738	1	1.88	5	880	26	0.20	8	11	296	<20	0.33
350934		0.89	10	0.98	499	3	2.31	2	770	11	0.36	<5	9	373	<20	0.26
350935		1.25	10	1.61	790	2	2.55	5	1090	15	0.06	<5	11	698	<20	0.45
350936		1.30	10	1.56	774	2	2.39	4	1070	14	0.08	<5	10	677	<20	0.44
350938		1.10	10	1.90	995	<1	2.53	5	1320	13	0.04	<5	13	786	<20	0.52
350939		2.11	10	1.60	798	1	1.97	5	1090	17	0.23	<5	13	445	<20	0.39
350941		0.02	<10	0.35	98	<1	0.02	3	70	4	0.01	<5	<1	304	<20	<0.01
350943		1.80	10	1.72	940	1	1.93	6	1150	12	0.28	<5	14	470	<20	0.41
350944		1.34	10	1.74	842	2	2.34	6	1200	11	0.08	<5	13	559	<20	0.45
350945		1.66	20	1.75	925	2	2.43	7	1190	9	0.09	<5	13	507	<20	0.44
350946		1.54	10	1.89	895	4	2.12	7	1330	14	0.09	6	14	564	<20	0.46
350947		1.54	20	1.83	881	1	2.17	6	1240	15	0.29	<5	14	637	<20	0.47
350948		1.90	10	1.66	909	2	1.52	6	1230	8	0.28	5	15	472	<20	0.47
350949		0.24	10	4.28	1370	1	2.09	109	440	5	0.21	<5	41	122	<20	0.62
350950		1.97	10	1.69	913	1	1.79	6	1170	9	0.25	<5	13	487	<20	0.44
350951		2.13	10	1.42	794	1	1.99	7	1120	13	0.17	<5	11	427	<20	0.43
350954		1.05	20	2.02	867	2	2.44	8	1290	27	0.32	<5	15	616	<20	0.51
54527		0.61	10	0.46	268	<1	0.32	5	300	5	<0.01	<5	4	415	<20	0.16

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 7-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270063

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
350933		<10	<10	97	10	104
350934		<10	<10	75	10	65
350935		<10	<10	121	10	108
350936		<10	<10	114	<10	104
350938		<10	<10	140	<10	121
350939		<10	<10	112	50	98
350941		<10	<10	2	<10	9
350943		<10	<10	125	20	111
350944		<10	<10	123	10	110
350945		<10	<10	121	<10	109
350946		<10	<10	135	20	120
350947		<10	<10	128	20	124
350948		<10	<10	132	30	109
350949		<10	<10	296	<10	89
350950		<10	<10	117	30	102
350951		10	<10	116	30	95
350954		<10	<10	139	20	118
54527		<10	<10	53	<10	38

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 7-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18270063

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
CRU-22c	CRU-31	CRU-QC	DRY-21	
LOG-22	SPL-22Y	WEI-21		

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

Applies to Method:			
Au-ICP21	ME-ICP61	PUL-31	PUL-QC

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

CERTIFICATE FA18265462

Project: Herbert Gold

This report is for 26 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 24-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18265462

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
350901		2.60	0.162	<0.5	8.41	9630	1090	1.4	<2	5.71	<0.5	9	13	3	3.34	20
350902		2.46	0.122	<0.5	8.14	3650	1460	1.2	<2	4.21	0.5	17	17	28	4.47	20
350903		2.59	0.425	<0.5	7.88	5950	1480	1.2	<2	4.27	0.7	16	15	16	4.51	20
350904		2.81	0.535	<0.5	8.16	9340	1340	1.2	<2	4.55	0.5	15	12	10	4.46	20
350905		2.69	0.407	<0.5	8.34	>10000	1410	1.1	<2	4.94	<0.5	15	13	10	4.31	20
350906		1.61	0.431	<0.5	8.46	3830	1390	1.2	<2	4.31	0.5	16	14	28	4.80	20
350907		1.97	0.002	<0.5	8.04	42	1260	1.0	<2	4.20	0.6	17	15	21	4.91	20
350908		2.75	0.004	<0.5	8.70	331	840	1.4	<2	4.45	<0.5	6	8	5	1.42	20
350909		2.58	0.001	<0.5	7.69	42	870	1.1	<2	3.15	<0.5	6	10	8	1.85	20
350910		0.07	3.04	1.1	6.42	37	200	<0.5	5	5.73	1.0	41	261	147	6.85	20
350911		2.06	0.092	<0.5	5.31	3320	630	0.7	<2	2.81	0.5	8	17	11	2.71	10
350912		2.06	0.041	<0.5	7.64	1730	1080	1.1	2	3.67	0.6	16	15	17	4.35	20
350915		3.05	6.50	0.9	7.63	>10000	1110	1.0	<2	4.52	0.8	15	12	7	3.70	20
350916		2.43	0.787	0.6	7.18	3250	850	1.1	<2	3.87	0.7	14	15	17	4.10	20
350917		2.03	<0.001	<0.5	7.99	23	950	1.1	2	4.49	0.9	17	16	13	4.66	20
350918		2.02	0.015	<0.5	7.98	69	1160	1.0	<2	4.87	0.7	15	14	14	4.80	20
350919		1.98	0.003	<0.5	8.28	27	1030	1.3	<2	4.78	0.7	20	15	15	5.16	20
350920		2.79	<0.001	<0.5	8.24	13	2030	1.1	2	4.24	0.8	17	14	41	4.81	20
350921		2.12	0.004	<0.5	7.44	17	550	0.9	<2	5.39	0.5	13	14	7	4.24	20
350922		2.31	0.009	<0.5	7.85	17	910	1.1	<2	4.33	0.6	16	14	8	4.44	20
350925		2.41	0.005	<0.5	7.71	20	760	1.2	2	4.57	0.7	17	15	14	4.74	20
350927		2.68	0.055	0.5	8.14	53	730	1.1	<2	4.62	1.0	15	15	19	4.82	20
350928		2.13	0.990	1.2	7.47	6880	930	1.1	<2	4.61	1.3	17	16	18	5.02	20
350929		1.71	1.035	1.1	2.38	5660	600	<0.5	<2	2.31	1.3	5	14	4	1.98	10
350931		1.89	0.490	0.6	8.19	7870	1080	1.1	<2	4.76	1.1	16	15	21	4.67	20
350932		0.07	7.44	1.5	5.97	37	300	0.8	2	2.79	1.0	41	307	112	5.35	20

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: HerbertGold

CERTIFICATE OF ANALYSIS FA18265462

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
350901		0.59	10	1.57	1285	1	4.77	7	1270	13	0.46	<5	10	788	<20	0.39
350902		1.46	20	1.76	913	2	2.97	8	1290	9	0.35	7	12	691	<20	0.48
350903		1.23	10	1.70	928	1	3.31	6	1260	14	0.43	<5	11	766	<20	0.47
350904		1.10	10	1.65	823	1	3.09	7	1170	16	0.51	<5	12	736	<20	0.43
350905		1.15	10	1.47	849	2	3.39	6	1170	7	0.86	<5	12	594	<20	0.41
350906		1.50	10	1.75	882	1	2.98	7	1240	8	0.47	<5	15	722	<20	0.48
350907		1.31	10	1.88	890	1	2.47	6	1310	10	0.10	<5	14	615	<20	0.49
350908		0.58	10	0.34	271	1	3.79	2	430	11	0.03	<5	3	955	<20	0.14
350909		0.84	10	0.56	290	1	3.31	3	540	14	0.04	<5	5	671	<20	0.20
350910		0.41	<10	4.28	1135	3	1.88	139	380	19	0.44	<5	35	110	<20	0.50
350911		0.85	10	1.00	475	<1	1.52	3	710	11	0.25	<5	8	437	<20	0.26
350912		1.13	10	1.59	733	3	2.48	5	1130	10	0.19	<5	11	619	<20	0.43
350915		1.40	10	1.56	905	1	3.87	7	1120	3	0.92	<5	12	610	<20	0.39
350916		1.74	10	1.50	756	1	1.91	7	1180	9	0.28	<5	13	425	<20	0.42
350917		1.12	10	1.69	855	1	2.64	6	1210	13	0.01	<5	14	771	<20	0.49
350918		1.50	10	1.89	982	1	2.25	7	1250	7	0.06	<5	13	586	<20	0.48
350919		1.71	10	1.88	999	3	2.14	8	1410	10	0.06	<5	15	523	<20	0.53
350920		1.66	20	1.81	881	<1	2.37	8	1310	5	0.05	<5	14	497	<20	0.48
350921		1.57	20	1.56	944	1	1.79	7	1180	5	0.02	<5	15	459	<20	0.43
350922		2.02	10	1.59	845	1	1.94	7	1260	5	0.11	<5	13	452	<20	0.45
350925		1.75	10	1.76	838	1	2.05	7	1270	3	0.12	<5	13	575	<20	0.45
350927		2.32	10	1.75	847	<1	1.96	8	1290	<2	0.18	5	15	464	<20	0.47
350928		2.18	10	1.71	782	<1	1.53	8	1270	26	0.50	<5	14	448	<20	0.47
350929		0.60	<10	0.59	368	1	0.48	3	340	35	0.49	<5	4	154	<20	0.14
350931		1.29	10	1.80	860	1	2.29	8	1290	45	0.54	<5	15	553	<20	0.46
350932		1.03	10	3.82	711	6	1.16	250	1100	10	0.08	<5	19	277	<20	0.65

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18265462

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
350901		<10	<10	111	30	86	
350902		<10	<10	123	10	108	
350903		<10	<10	124	10	113	
350904		<10	<10	117	10	102	
350905		<10	<10	110	30	89	1.470
350906		<10	<10	123	10	109	
350907		<10	<10	123	370	115	
350908		<10	<10	33	370	33	
350909		<10	<10	49	<10	44	
350910		<10	<10	241	<10	87	
350911		<10	<10	72	10	61	
350912		<10	<10	110	10	103	
350915		<10	<10	105	70	86	1.740
350916		<10	<10	118	30	99	
350917		<10	<10	122	<10	112	
350918		<10	<10	126	<10	113	
350919		<10	<10	141	10	119	
350920		<10	<10	131	<10	112	
350921		<10	<10	120	10	91	
350922		<10	<10	123	30	89	
350925		<10	<10	128	20	98	
350927		<10	<10	133	60	88	
350928		<10	<10	136	60	105	
350929		<10	<10	40	20	74	
350931		<10	<10	127	40	113	
350932		<10	<10	137	10	81	

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 9-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18265462

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	DRY-21	LOG-22	LOG-24
	SPL-22Y	WEI-21		

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31	PUL-QC		

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 13-NOV-2018
Account: PORCES

CERTIFICATE FA18260922

Project: Herbert Gold

This report is for 4 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 12-OCT-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

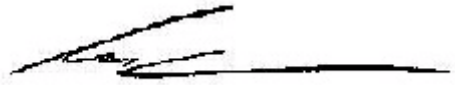
ALS CODE	DESCRIPTION
LOG-22	Sample login - Rcd w/o BarCode
WEI-21	Received Sample Weight
DRY-21	High Temperature Drying
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6C 2T5

Finalized Date: 13-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260922

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
350985		<0.5	7.92	5080	920	1.1	<2	4.48	0.9	18	16	22	4.61	20	1.52	20
350992		0.6	6.84	9390	1190	1.0	<2	3.66	2.0	15	24	31	4.01	20	1.72	20
350998		<0.5	8.05	687	450	0.9	<2	4.41	<0.5	17	18	24	4.97	20	1.40	20
350999		0.5	7.62	3690	740	1.0	<2	4.06	<0.5	15	16	19	4.65	20	1.46	20

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

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Finalized Date: 13-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260922

Sample Description	Method	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	ME-ICP61
	Analyte	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U
	Units	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10	10
350985		1.62	866	1	1.90	6	1180	12	0.40	<5	15	399	<20	0.45	10	<10
350992		1.46	786	2	1.71	4	1010	14	0.65	<5	13	356	<20	0.39	10	<10
350998		1.63	842	1	2.09	6	1180	26	0.13	<5	15	324	<20	0.45	<10	<10
350999		1.54	730	1	1.86	5	1120	12	0.31	<5	14	321	<20	0.40	<10	<10

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

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Finalized Date: 13- NOV- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA1826092

Sample Description	Method Analyte Units LOD	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	WEI-21 Recvd Wt. kg 0.02
350985		130	30	104	1.82
350992		120	40	73	1.60
350998		127	10	119	2.80
350999		126	20	107	2.95

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260922

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:			
CRU-31	DRY-21	LOG-22	SPL-22Y
WEI-21			

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

Applies to Method:		
ME-ICP61	PUL-32	PUL-QC

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

CERTIFICATE FA18260912

Project: Herbert Gold

This report is for 42 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 12-OCT-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260912

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
350955		2.07	3.46	<0.5	8.64	>10000	1120	1.4	<2	4.57	<0.5	20	14	2	5.45	20
350956		1.69	0.226	<0.5	8.91	2970	1470	1.4	<2	3.96	<0.5	7	15	5	3.99	20
350957		2.96	3.05	0.5	9.29	>10000	1510	1.6	<2	4.92	<0.5	13	13	1	4.11	30
350958		2.68	9.33	1.8	7.47	>10000	1180	1.2	<2	6.28	2.7	15	11	18	4.03	20
350959		2.10	0.143	<0.5	8.47	6350	1070	1.5	<2	5.03	0.5	15	13	36	4.15	20
350960		1.95	0.056	<0.5	8.42	423	1220	1.5	<2	4.72	0.8	15	13	45	4.25	20
350961		2.86	0.449	<0.5	8.35	>10000	1400	1.3	<2	4.61	0.5	10	13	7	3.69	20
350962		1.51	0.086	<0.5	4.18	7200	600	0.6	<2	2.61	<0.5	6	13	12	2.53	10
350963		0.07	1.040	<0.5	7.08	12	160	<0.5	<2	6.89	<0.5	43	192	160	8.14	20
350964		2.54	0.092	<0.5	9.01	>10000	1780	1.3	<2	5.04	<0.5	17	15	7	5.16	20
350965		1.12	0.748	<0.5	8.85	329	1910	1.3	<2	5.00	18.8	17	15	15	5.67	30
350966		1.56	0.032	<0.5	7.91	3380	1770	1.0	<2	3.85	<0.5	12	15	12	4.31	20
350967		2.20	0.553	<0.5	7.86	5620	1440	1.1	<2	4.09	<0.5	12	15	11	4.44	20
350968		1.92	0.873	<0.5	8.54	>10000	1140	1.3	<2	5.25	<0.5	18	14	25	5.43	20
350969		2.09	0.001	<0.5	8.91	35	1200	1.4	<2	5.08	<0.5	16	14	25	5.30	20
350970		2.15	0.006	<0.5	8.79	47	980	1.5	<2	5.45	<0.5	16	14	21	5.23	30
350971		3.76	0.023	<0.5	8.81	630	1030	1.3	<2	6.18	<0.5	15	12	23	5.21	30
350972		2.79	0.002	<0.5	8.43	25	1170	1.2	<2	5.20	<0.5	16	16	18	5.52	20
350973		2.26	0.326	<0.5	8.29	862	1120	1.2	<2	4.56	<0.5	17	15	18	4.96	20
350974		1.97	0.008	<0.5	8.22	47	1120	1.2	2	4.54	0.7	17	14	17	5.18	20
350975		2.51	0.104	<0.5	8.14	349	1010	1.2	<2	4.78	0.5	17	15	19	5.10	20
350976		2.79	0.433	<0.5	8.07	3230	860	1.0	<2	5.17	0.8	24	18	23	6.46	20
350977		3.25	0.040	<0.5	8.36	208	1280	1.1	2	4.50	<0.5	17	12	15	4.93	20
350978		2.63	<0.001	<0.5	8.07	11	930	1.1	2	4.36	<0.5	17	12	14	4.96	20
350979		2.66	0.003	<0.5	8.22	25	570	1.2	<2	4.19	<0.5	16	12	10	5.05	20
350980		1.87	<0.001	<0.5	8.36	5	780	1.2	2	4.92	<0.5	18	15	14	5.37	20
350981		2.93	0.599	<0.5	8.08	1225	640	1.0	<2	4.74	<0.5	15	12	12	4.42	20
350982		2.70	0.116	<0.5	8.17	1575	880	1.2	<2	4.69	0.8	16	12	18	4.63	20
350983		2.66	0.023	<0.5	8.04	492	910	1.1	<2	4.12	0.6	17	12	10	4.90	20
350984		2.69	0.004	<0.5	8.28	29	1290	1.1	<2	5.17	0.6	17	13	7	4.89	20
350986		2.13	<0.001	<0.5	7.95	13	950	1.0	<2	3.81	0.5	16	12	13	5.00	20
350987		2.93	0.019	<0.5	8.21	1755	860	1.1	<2	4.86	1.0	18	13	21	5.15	20
350988		2.62	0.002	<0.5	8.17	15	890	1.0	<2	4.51	<0.5	18	15	13	5.36	20
350989		2.89	0.274	<0.5	8.09	5270	910	1.2	<2	4.48	2.1	17	12	14	4.81	20
350990		2.57	0.278	0.5	7.97	2650	850	1.0	<2	4.57	<0.5	17	13	17	4.46	20
350991		3.44	0.930	<0.5	8.05	745	1800	1.0	4	4.52	0.5	15	12	16	4.63	20
350993		0.07	2.98	0.8	6.74	31	210	<0.5	3	6.15	1.0	44	272	158	7.23	20
350994		2.81	0.005	<0.5	7.99	20	1300	1.2	2	3.94	<0.5	19	15	26	5.04	20
350995		2.43	0.463	0.5	7.56	3340	1150	1.0	<2	7.54	1.4	16	10	21	4.56	20
350996		1.88	0.005	<0.5	8.38	61	1310	1.1	3	4.43	0.5	18	12	18	5.17	20

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260912

Sample Description	Method Analyte Units LOD	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
350955		0.47	20	2.14	1150	1	4.48	7	1300	18	1.41	<5	14	747	<20	0.45
350956		0.79	20	2.10	1040	<1	4.12	5	1340	31	0.16	10	13	769	<20	0.50
350957		0.67	20	2.09	1075	<1	4.89	6	1390	33	0.70	7	13	802	<20	0.49
350958		1.05	20	1.15	924	<1	3.19	5	1030	139	1.15	9	11	552	<20	0.40
350959		0.90	20	1.58	1045	1	4.09	6	1160	102	0.70	7	12	750	<20	0.46
350960		1.12	10	1.55	898	<1	3.88	6	1180	33	0.51	<5	11	730	<20	0.48
350961		1.00	10	1.53	848	1	4.00	3	1110	34	0.76	<5	12	673	<20	0.41
350962		0.68	10	0.70	455	<1	1.44	1	530	6	0.46	<5	7	263	<20	0.20
350963		0.24	10	4.39	1365	<1	2.18	113	430	4	0.21	<5	43	123	<20	0.64
350964		1.24	20	1.87	994	1	3.96	7	1400	9	0.79	<5	17	533	<20	0.53
350965		2.15	20	1.95	999	<1	2.22	6	1310	140	0.23	7	16	750	<20	0.55
350966		1.24	10	1.61	754	1	2.50	4	1100	17	0.21	<5	13	646	<20	0.43
350967		1.08	10	1.59	780	<1	2.57	6	1100	26	0.32	<5	13	647	<20	0.42
350968		1.18	20	1.87	992	<1	2.67	6	1260	14	0.74	9	15	640	<20	0.46
350969		1.46	10	1.96	983	<1	2.92	6	1330	18	0.19	<5	15	849	<20	0.54
350970		1.08	10	1.98	1040	<1	3.16	7	1370	19	0.20	<5	14	862	<20	0.54
350971		1.55	20	1.90	1130	<1	2.67	4	1230	12	0.33	11	15	457	<20	0.45
350972		1.33	20	2.03	1030	<1	2.18	5	1380	19	0.09	<5	17	652	<20	0.53
350973		1.23	10	1.87	929	1	2.74	5	1300	13	0.20	<5	14	698	<20	0.49
350974		1.45	20	1.98	951	3	2.59	7	1390	14	0.08	<5	15	713	<20	0.53
350975		1.21	10	1.95	1010	2	2.68	5	1300	15	0.13	<5	15	690	<20	0.49
350976		1.19	20	2.68	1190	1	2.16	9	1670	14	0.35	<5	21	553	<20	0.66
350977		1.42	10	1.92	930	1	3.13	5	1310	12	0.06	<5	14	688	<20	0.50
350978		1.26	10	1.90	881	1	2.70	5	1300	13	0.04	5	14	653	<20	0.50
350979		1.32	10	1.97	854	2	2.57	6	1300	14	0.05	<5	14	621	<20	0.51
350980		1.14	20	2.10	1040	1	2.59	6	1450	17	0.03	<5	16	763	<20	0.54
350981		1.86	10	1.60	881	1	2.09	4	1260	9	0.13	<5	14	363	<20	0.48
350982		2.02	10	1.62	850	1	1.95	5	1250	6	0.20	5	14	364	<20	0.47
350983		1.53	10	1.80	759	1	2.28	5	1280	10	0.08	<5	13	525	<20	0.47
350984		1.96	20	1.85	914	1	1.75	5	1310	6	0.12	<5	14	432	<20	0.53
350986		1.47	10	1.91	818	<1	2.54	5	1310	10	0.06	5	15	424	<20	0.50
350987		1.69	10	1.98	964	1	2.33	5	1380	12	0.15	<5	14	474	<20	0.49
350988		1.45	10	2.06	865	1	2.42	6	1370	10	0.04	<5	15	434	<20	0.53
350989		1.60	10	1.81	845	1	2.37	5	1260	16	0.32	<5	14	502	<20	0.46
350990		1.73	20	1.66	849	1	2.37	5	1180	11	0.25	<5	13	391	<20	0.45
350991		1.40	20	1.77	889	1	2.68	5	1190	13	0.16	<5	14	530	<20	0.46
350993		0.45	10	4.52	1195	2	1.99	146	410	23	0.46	<5	36	111	<20	0.53
350994		1.15	10	2.06	849	1	2.51	6	1330	11	0.04	<5	14	662	<20	0.50
350995		1.78	20	1.81	1295	1	1.89	4	1160	7	0.27	6	14	558	<20	0.46
350996		1.32	10	2.06	926	1	2.60	6	1350	13	0.05	10	14	648	<20	0.50

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260912

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
350955		<10	<10	139	30	111	3.15
350956		<10	<10	135	20	119	
350957		10	<10	147	70	111	1.460
350958		10	<10	108	100	139	2.01
350959		<10	<10	114	50	107	
350960		<10	<10	116	20	124	
350961		10	<10	124	70	100	1.365
350962		<10	<10	56	130	49	
350963		<10	<10	299	<10	90	
350964		<10	<10	152	20	111	1.490
350965		<10	<10	145	10	1105	
350966		<10	<10	115	10	105	
350967		<10	<10	111	10	103	
350968		<10	<10	142	20	119	1.065
350969		10	<10	148	30	121	
350970		10	<10	150	20	121	
350971		<10	<10	141	30	116	
350972		<10	<10	148	10	129	
350973		<10	<10	132	10	117	
350974		<10	<10	139	10	124	
350975		<10	<10	140	10	119	
350976		10	<10	178	30	151	
350977		<10	<10	132	10	115	
350978		<10	<10	129	10	118	
350979		<10	<10	131	10	116	
350980		<10	<10	143	<10	123	
350981		<10	<10	126	10	98	
350982		10	<10	128	20	101	
350983		<10	<10	123	10	110	
350984		<10	<10	133	20	101	
350986		<10	<10	135	10	119	
350987		10	<10	143	20	115	
350988		<10	<10	144	10	124	
350989		<10	<10	133	20	105	
350990		<10	<10	119	30	101	
350991		<10	<10	119	10	112	
350993		<10	<10	254	<10	91	
350994		<10	<10	134	<10	119	
350995		<10	<10	125	10	91	
350996		10	<10	137	<10	121	

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

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www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260912

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
350997		2.96	0.027	<0.5	8.39	1580	600	1.2	<2	5.98	0.5	19	14	22	5.24	20
351000		2.57	0.248	<0.5	7.97	401	900	0.9	<2	4.48	0.6	26	20	49	7.38	20

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260912

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
350997		2.00	20	1.56	1040	2	1.84	7	1380	9	0.17	<5	15	379	<20	0.55
351000		1.03	20	3.11	1355	1	1.73	12	1910	9	0.26	<5	21	408	<20	0.69

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 10-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18260912

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
350997		<10	<10	146	20	117	
351000		10	<10	196	10	164	

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10- NOV- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA1826091 2

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:	CRU- 31	CRU- QC	DRY- 21	LOG- 22
	LOG- 24	SPL- 22Y	WEI- 21	

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

Applies to Method:	As- OG62	Au- ICP21	ME- ICP61	ME- OG62
	PUL- 31	PUL- QC		

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 13-NOV-2018
Account: PORCES

CERTIFICATE FA18231745

Project: Herbert Gold

This report is for 3 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 17-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
DRY-21	High Temperature Drying
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 13-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231745

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
350881		2.49	<0.5	5.59	6060	580	0.8	4	3.35	12.5	13	17	8	2.81	10	1.18
350884		2.46	<0.5	7.32	>10000	1060	1.1	<2	4.19	1.7	16	21	26	4.60	20	1.51
350886		3.46	0.8	6.76	>10000	710	0.9	<2	4.97	1.5	17	14	17	4.63	20	1.50

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 13-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231745

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10
350881		10	0.94	611	1	1.84	5	780	309	0.36	<5	9	270	<20	0.27	<10
350884		10	1.73	794	1	2.23	7	1140	16	0.71	<5	13	483	<20	0.44	<10
350886		10	1.58	954	1	2.09	8	1050	63	0.85	7	12	479	<20	0.39	10

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 13-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231745

Sample Description	Method Analyte Units LOD	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
350881		<10	72	290	312	
350884		<10	122	60	116	1.090
350886		<10	105	130	91	1.545

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13- NOV- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231745

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:	CRU- 31	DRY- 21	LOG- 22	SPL- 22Y
	WEI- 21			

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

Applies to Method:	As- OG62	ME- ICP61	ME- OG62	PUL- 32
	PUL- QC			

ALS Canada Ltd.

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

CERTIFICATE FA18231735

Project: Herbert Gold

This report is for 32 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 17-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231735

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
350866		2.45	0.381	<0.5	8.50	>10000	1320	1.4	<2	5.11	<0.5	16	14	1	4.36	30
350867		1.88	0.788	<0.5	8.60	>10000	1120	1.4	<2	4.47	<0.5	12	13	1	3.98	20
350868		2.62	2.86	<0.5	8.21	>10000	940	1.3	<2	4.44	<0.5	23	12	1	5.69	20
350869		2.54	3.94	0.8	8.57	>10000	980	1.4	<2	4.49	<0.5	20	13	1	5.19	20
350870		2.75	1.470	<0.5	7.26	>10000	1290	1.2	<2	4.15	<0.5	20	14	3	4.79	20
350871		2.58	0.589	<0.5	7.63	>10000	1590	1.3	<2	4.49	<0.5	16	15	5	4.16	20
350872		2.50	0.266	<0.5	7.84	>10000	1790	1.3	<2	4.27	<0.5	17	14	10	4.92	20
350873		0.07	3.02	0.7	6.62	49	200	<0.5	<2	6.07	0.5	41	282	154	7.16	20
350874		3.09	1.700	<0.5	7.80	>10000	1650	1.1	<2	4.16	0.5	21	16	16	5.83	20
350875		2.53	1.830	<0.5	7.79	>10000	1580	1.3	<2	4.89	<0.5	17	14	8	4.64	20
350876		1.39	0.724	<0.5	7.52	6000	1550	1.1	<2	4.47	1.3	17	12	17	4.73	20
350877		1.42	1.240	7.7	7.10	>10000	1090	0.9	10	3.32	1.4	22	15	14	5.18	20
350878		2.06	1.225	<0.5	7.97	1625	1610	1.1	<2	4.61	<0.5	15	14	14	4.75	20
350879		0.84	0.716	0.9	7.09	5670	810	1.0	<2	3.89	0.7	15	15	21	4.35	20
350880		2.19	0.007	<0.5	8.29	890	690	1.1	<2	5.86	<0.5	17	16	20	5.38	20
350882		1.56	0.029	<0.5	8.33	632	770	1.2	<2	4.44	<0.5	20	17	15	5.35	20
350883		1.90	0.054	<0.5	8.28	360	1230	1.1	<2	4.95	0.7	18	15	18	5.15	20
350885		2.19	<0.001	<0.5	8.17	18	1020	1.1	<2	4.77	0.5	18	19	29	5.36	20
350887		2.52	0.036	<0.5	7.49	91	760	0.9	<2	5.33	<0.5	17	14	14	5.03	20
350888		2.35	0.001	<0.5	7.45	28	670	1.0	<2	3.38	<0.5	16	14	23	5.00	20
350889		2.29	0.001	<0.5	7.44	14	2270	1.0	<2	5.18	<0.5	15	13	47	4.31	20
350890		0.07	5.80	1.1	5.14	3870	500	0.7	<2	5.05	0.7	30	119	168	10.60	10
350891		2.87	<0.001	<0.5	7.32	13	2400	0.8	<2	4.25	<0.5	18	13	13	5.02	20
350892		2.50	<0.001	<0.5	7.65	13	2690	0.9	<2	4.74	<0.5	16	14	8	5.10	20
350893		1.49	<0.001	<0.5	7.73	10	2800	0.9	<2	5.50	<0.5	16	12	4	5.01	20
350894		2.41	0.007	<0.5	7.28	12	1920	0.9	<2	4.07	0.7	17	14	11	4.83	20
350895		2.50	0.010	<0.5	7.58	49	1740	0.9	<2	4.55	0.7	17	13	22	4.85	20
350896		2.48	<0.001	<0.5	7.81	11	720	1.1	<2	4.52	<0.5	15	23	9	5.16	20
350897		2.63	0.006	<0.5	7.49	14	990	0.8	<2	4.53	<0.5	15	15	26	4.93	20
350898		2.71	0.025	<0.5	7.55	14	1420	1.0	<2	4.77	<0.5	17	14	7	4.62	20
350899		2.45	0.093	<0.5	7.80	1760	960	1.1	<2	4.03	<0.5	17	15	16	4.70	20
350900		1.45	0.040	<0.5	7.59	7520	950	1.0	<2	5.49	0.5	19	15	16	5.33	20

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231735

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
350866		0.57	10	2.18	1295	1	4.65	6	1430	15	0.67	<5	13	764	<20	0.46
350867		0.60	10	1.64	961	1	4.99	5	1130	19	1.03	<5	13	693	<20	0.36
350868		0.46	10	1.33	902	2	4.75	7	1040	16	2.39	<5	10	728	<20	0.30
350869		0.44	20	1.51	925	1	5.12	6	1220	21	1.93	5	11	763	<20	0.36
350870		1.03	10	1.49	899	1	3.62	5	1090	26	1.26	<5	11	630	<20	0.39
350871		1.22	20	1.68	1055	1	3.84	4	1250	31	0.62	6	11	747	<20	0.45
350872		1.44	10	1.89	1105	<1	3.59	6	1340	43	0.69	<5	12	651	<20	0.50
350873		0.42	10	4.49	1205	3	1.96	142	390	28	0.45	<5	36	112	<20	0.51
350874		1.32	20	2.05	1040	<1	3.02	7	1450	14	1.08	<5	14	611	<20	0.52
350875		0.98	10	1.75	1145	<1	3.74	5	1230	14	0.74	<5	12	732	<20	0.46
350876		1.50	20	1.58	892	3	2.34	3	1160	28	0.41	<5	12	651	<20	0.42
350877		1.05	20	1.37	570	1	2.24	6	970	2200	1.16	10	12	601	<20	0.35
350878		1.32	10	1.73	861	<1	2.55	4	1220	18	0.19	<5	13	704	<20	0.47
350879		1.20	10	1.77	695	1	2.18	5	1110	11	0.42	<5	14	380	<20	0.42
350880		1.11	20	2.18	1140	<1	2.47	7	1450	20	0.27	<5	15	640	<20	0.52
350882		0.93	10	2.22	920	1	2.75	6	1370	15	0.10	<5	15	691	<20	0.54
350883		1.16	40	2.06	959	1	2.49	6	1330	17	0.18	<5	15	717	30	0.50
350885		1.26	20	1.99	983	1	2.59	6	1360	17	0.03	<5	17	731	<20	0.53
350887		1.64	10	1.76	984	1	2.16	6	1280	15	0.22	10	13	427	<20	0.48
350888		1.46	10	1.61	698	1	2.57	6	1220	16	0.09	5	12	404	<20	0.46
350889		1.69	20	1.55	999	1	2.06	5	1190	6	0.12	7	12	435	<20	0.46
350890		0.49	20	2.65	3630	3	1.09	94	2000	14	3.09	10	17	209	<20	0.49
350891		1.35	10	1.72	845	1	2.37	4	1280	12	0.07	<5	13	380	<20	0.46
350892		1.39	10	1.85	948	<1	2.36	4	1260	11	0.08	8	13	425	<20	0.48
350893		1.34	20	1.83	1085	1	2.13	3	1270	10	0.07	9	15	568	<20	0.48
350894		1.31	10	1.72	866	1	2.37	10	1240	16	0.06	11	13	468	<20	0.47
350895		1.35	10	1.78	927	2	2.30	6	1230	9	0.10	<5	13	423	<20	0.44
350896		1.36	10	1.93	881	1	2.21	9	1330	7	0.03	7	15	506	<20	0.48
350897		1.46	10	1.71	933	1	2.25	5	1260	8	0.07	7	13	386	<20	0.44
350898		1.43	10	1.75	950	1	2.17	5	1250	10	0.12	<5	13	405	<20	0.44
350899		1.13	10	1.83	838	2	2.32	5	1190	15	0.15	<5	14	581	<20	0.44
350900		0.90	20	2.00	977	1	2.69	6	1230	10	0.58	<5	16	566	<20	0.48

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

ALS Canada Ltd.
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231735

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
350866		<10	<10	155	610	119	1.425
350867		<10	<10	131	50	87	2.13
350868		<10	<10	103	60	68	5.08
350869		<10	<10	114	60	78	3.94
350870		<10	<10	107	10	88	2.62
350871		<10	<10	120	10	108	1.195
350872		<10	<10	132	<10	122	1.255
350873		<10	<10	252	10	92	
350874		<10	<10	145	10	124	2.02
350875		10	<10	123	20	110	1.390
350876		<10	<10	120	50	120	
350877		<10	<10	97	90	89	2.25
350878		<10	<10	126	10	117	
350879		<10	<10	118	30	104	
350880		<10	<10	140	10	133	
350882		<10	<10	143	10	127	
350883		<10	<10	137	20	126	
350885		<10	<10	142	<10	128	
350887		10	<10	130	40	124	
350888		<10	<10	126	20	132	
350889		<10	<10	119	20	98	
350890		<10	<10	150	10	110	
350891		<10	<10	129	20	123	
350892		<10	<10	128	10	120	
350893		<10	<10	127	10	111	
350894		<10	<10	129	20	121	
350895		<10	<10	123	20	112	
350896		<10	<10	127	20	121	
350897		<10	<10	128	20	125	
350898		<10	<10	126	20	108	
350899		<10	<10	129	10	111	
350900		<10	<10	133	10	112	

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

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VANCOUVER BC V6C 2T5

Finalized Date: 9-NOV-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18231735

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	DRY-21	LOG-22	SPL-22Y
	WEI-21			

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31	PUL-QC		

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

CERTIFICATE FA18230594

Project: Herbert Gold

This report is for 6 Reject samples submitted to our lab in Fairbanks, AK, USA on 17-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-22Y	Split Sample - Boyd Rotary Splitter
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18230594

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
339773		26.8	50.4	25.8	2.214	43.90	1001.0	25.9	25.7
339774		28.8	81.9	26.2	4.010	48.96	966.0	25.1	27.2
339775		13.90	28.7	13.15	1.443	50.30	974.7	12.20	14.10
339776		3.66	6.78	3.51	0.322	47.51	947.5	3.62	3.39
339777		5.80	14.70	5.36	0.689	46.93	938.1	5.02	5.69
339778		5.71	6.31	5.68	0.324	51.31	948.7	5.62	5.74

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

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To: GRANDE PORTAGE RESOURCES LTD.
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18230594

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:			
FND-03	PUL-32	SCR-21	SPL-22Y

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

Applies to Method:		
Au-AA25	Au-AA25D	Au-SCR21

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 4-OCT-2018
Account: PORCES

CERTIFICATE FA18228890

Project: Herbert Gold

This report is for 18 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 13-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

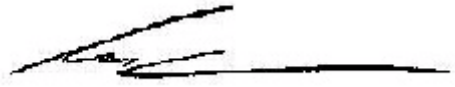
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 4-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228890

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
346596		2.16	0.124	0.6	7.33	194	940	1.3	<2	1.85	<0.5	19	164	55	4.75	20
346597		2.48	0.046	0.5	7.20	95	750	1.2	2	2.03	<0.5	20	160	50	4.63	20
346598		2.29	0.071	0.5	7.13	162	590	1.2	<2	1.63	<0.5	16	106	46	4.35	20
346599		2.20	<0.001	<0.5	1.70	34	230	<0.5	<2	1.59	<0.5	2	56	3	1.00	<10
346600		1.73	<0.001	<0.5	1.42	<5	260	<0.5	<2	0.76	<0.5	2	48	5	1.11	<10
346601		1.14	0.897	0.6	6.55	8380	1040	0.9	<2	3.81	0.8	11	18	11	3.29	20
350852		1.87	0.785	1.4	6.42	3850	810	0.9	<2	3.36	0.7	12	21	9	3.67	20
350853		2.48	0.299	0.5	6.91	2010	1020	1.1	<2	3.77	<0.5	14	17	14	4.32	20
350854		2.30	0.061	<0.5	6.98	2970	800	1.0	<2	3.84	<0.5	13	17	15	4.12	20
350855		2.82	0.058	<0.5	6.90	2010	770	1.0	2	3.60	<0.5	13	15	15	3.92	20
350856		1.55	0.138	2.3	6.13	2220	820	0.9	<2	3.16	<0.5	10	20	10	3.55	20
350857		2.58	0.223	<0.5	7.30	225	1880	1.0	<2	4.57	0.7	13	15	15	4.34	20
350858		2.63	0.073	0.5	7.61	3000	1810	1.1	<2	5.86	1.0	17	16	26	4.70	20
350859		0.07	7.63	1.2	5.57	34	290	0.8	<2	2.78	<0.5	41	315	106	5.26	10
350861		1.82	<0.001	<0.5	7.77	13	950	1.1	<2	4.70	<0.5	18	21	13	5.11	20
350863		0.43	<0.001	<0.5	0.10	<5	10	<0.5	<2	37.4	<0.5	<1	2	1	0.08	<10
350864		1.98	0.137	<0.5	7.37	752	830	1.1	3	4.28	0.6	15	22	13	4.82	20
350865		2.25	0.485	<0.5	6.47	3390	880	0.9	<2	4.13	<0.5	13	20	10	3.75	20

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 4-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228890

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
346596		2.14	10	2.13	962	2	1.06	120	980	6	0.29	<5	16	429	<20	0.35
346597		2.10	20	1.94	880	1	1.11	119	1000	6	0.27	<5	16	251	<20	0.34
346598		1.72	20	1.52	766	1	0.96	65	990	13	0.14	<5	14	246	<20	0.34
346599		0.46	<10	0.14	138	4	0.40	2	260	<2	0.03	<5	2	47	<20	0.09
346600		0.24	<10	0.27	172	3	0.37	<1	200	<2	0.04	<5	2	105	<20	0.08
346601		1.51	10	1.32	835	1	2.74	2	1000	8	0.59	<5	10	416	<20	0.35
350852		1.44	10	1.31	690	2	2.01	4	910	196	0.29	<5	10	442	<20	0.34
350853		1.47	10	1.47	707	<1	2.21	4	1060	35	0.26	<5	11	551	<20	0.41
350854		1.42	10	1.48	707	<1	2.20	2	1040	22	0.25	<5	11	552	<20	0.38
350855		1.40	10	1.42	682	1	2.31	3	1010	11	0.25	<5	11	519	<20	0.38
350856		1.20	10	1.22	604	<1	1.92	3	860	1200	0.21	<5	10	437	<20	0.33
350857		1.90	20	1.64	862	<1	1.93	4	1110	15	0.11	<5	12	404	<20	0.43
350858		2.26	10	1.70	1045	1	1.61	5	1290	10	0.40	<5	14	425	<20	0.48
350859		1.00	10	3.76	709	5	1.11	238	1030	9	0.07	<5	18	258	<20	0.63
350861		1.16	10	1.84	955	<1	2.59	4	1280	6	0.01	<5	16	736	<20	0.50
350863		0.03	<10	0.89	92	<1	0.02	<1	50	2	<0.01	<5	<1	275	<20	0.01
350864		1.09	20	1.83	897	3	2.40	5	1220	13	0.12	<5	13	697	<20	0.46
350865		1.37	10	1.37	774	1	2.00	4	930	18	0.29	<5	11	467	<20	0.36

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 4-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228890

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	10	10	1	10	2
346596		<10	<10	164	<10	136
346597		<10	<10	166	<10	127
346598		<10	<10	154	10	128
346599		<10	<10	26	<10	16
346600		<10	<10	21	<10	20
346601		<10	<10	93	60	72
350852		<10	<10	94	30	93
350853		<10	<10	110	20	104
350854		<10	<10	107	20	95
350855		<10	<10	101	20	98
350856		<10	<10	89	20	81
350857		<10	<10	113	20	100
350858		<10	<10	131	50	110
350859		<10	<10	135	10	81
350861		<10	<10	133	<10	122
350863		<10	<10	3	<10	8
350864		<10	<10	121	10	116
350865		<10	<10	97	30	89

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 4-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228890

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	LOG-24	PUL-QC	SPL-22Y	WEI-21

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

Applies to Method:			
	Au-ICP21	ME-ICP61	PUL-31

ALS Canada Ltd.

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

CERTIFICATE FA18228869

Project: Herbert Gold

This report is for 2 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 13-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
WEI-21	Received Sample Weight
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228869

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5
350860		1.43	15.30	135.5	8.95	6.748	49.81	945.2	8.82	9.07	9.71	6.7	3.85	4270	1320	0.6
350862		2.93	0.61	1.78	0.56	0.085	47.69	937.3	0.59	0.52	0.526	<0.5	7.06	9570	1920	1.1

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228869

Sample Description	Method	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	ME-ICP61
	Analyte	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm
	LOD	2	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1
350860		<2	7.66	1.7	9	28	42	2.81	10	1.17	10	0.94	1195	2	0.75	2
350862		<2	5.18	1.7	15	23	38	4.66	20	2.22	10	1.73	909	2	1.06	3

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

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

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228869

Sample Description	Method	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
	Analyte	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	10	2	0.01	5	1	1	20	0.01	10	10	1	10	2
350860		620	17	0.47	6	8	434	<20	0.22	<10	<10	72	40	64
350862		1100	11	0.90	6	14	336	<20	0.39	<10	<10	117	60	74

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
VANCOUVER BC V6C 2T5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 5-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18228869

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	FND-03	LOG-22
	PUL-32	SCR-21	SPL-22Y	WEI-21

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

Applies to Method:				
	Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
	ME-ICP61			

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

CERTIFICATE FA18225816

Project: Herbert Gold

This report is for 1 Drill Core sample submitted to our lab in Fairbanks, AK, USA on 7-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225816

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-GRA21 Au ppm 0.05	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5
346566		25.7	162.5	15.85	7.986	49.10	685.9	16.30	15.40	15.90	>10.0	4.8	6.20	3350	740	0.9

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: HerbertGold

CERTIFICATE OF ANALYSIS FA18225816

Sample Description	Method	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	ME-ICP61
	Analyte	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm
	LOD	2	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1
346566		<2	4.88	1.3	12	23	14	3.74	20	1.88	10	0.87	760	3	1.08	5

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: HerbertGold

CERTIFICATE OF ANALYSIS FA18225816

Sample Description	Method	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
	Analyte	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	10	2	0.01	5	1	1	20	0.01	10	10	1	10	2
346566		880	241	0.65	7	11	264	<20	0.36	<10	<10	108	20	114

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SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225816

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	FND-03	LOG-22
	PUL-32	PUL-QC	SCR-21	SPL-22Y

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

Applies to Method:				
	Au-AA25	Au-AA25D	Au-GRA21	Au-ICP21
	Au-SCR21	ME-ICP61		

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
This copy reported on
4-OCT-2018
Account: PORCES

CERTIFICATE FA18225810

Project: Herbert Gold

This report is for 5 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 3-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

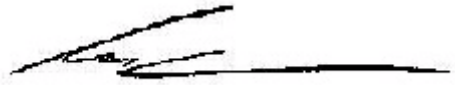
ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
WEI-21	Received Sample Weight
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
Account: PORCES

Project: HerbertGold

CERTIFICATE OF ANALYSIS FA18225810

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5
339995		1.70	0.25	0.44	0.24	0.018	40.81	724.2	0.26	0.22	0.218	0.7	5.15	5870	580	0.7
339996		1.48	0.42	0.46	0.42	0.021	45.56	729.4	0.43	0.41	0.433	<0.5	5.13	186	480	0.7
339999		1.30	0.33	0.31	0.34	0.012	38.47	771.5	0.36	0.31	0.292	0.5	1.95	7000	720	<0.5
340000		2.66	0.32	0.20	0.33	0.010	50.56	719.4	0.31	0.34	0.318	<0.5	7.40	4900	1000	1.0
340001		2.62	0.51	0.34	0.52	0.016	46.90	718.1	0.52	0.52	0.523	1.7	7.39	6430	720	1.2

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

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VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225810

Sample Description	Method	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	ME-ICP61
	Analyte	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm
	LOD	2	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1
339995		<2	4.82	1.1	10	26	15	3.50	10	1.26	10	1.36	849	3	1.52	5
339996		<2	7.88	1.2	17	21	34	5.45	20	1.43	20	2.25	1470	1	1.08	6
339999		<2	3.45	<0.5	3	25	2	2.22	<10	0.41	10	0.83	667	3	0.72	2
340000		<2	4.62	1.2	14	17	20	4.37	20	2.30	20	1.64	927	3	1.86	6
340001		<2	4.91	0.9	15	16	34	4.47	20	2.06	10	1.53	882	1	1.87	5

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

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225810

Sample Description	Method Analyte Units LOD	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
339995		770	11	0.43	7	10	385	<20	0.28	<10	<10	83	60	75
339996		1250	10	0.33	<5	19	634	<20	0.54	<10	<10	156	140	123
339999		320	5	0.36	<5	4	250	<20	0.09	<10	<10	32	20	26
340000		1230	16	0.46	5	14	434	<20	0.42	<10	<10	121	50	112
340001		1170	21	0.55	8	13	417	<20	0.41	<10	<10	117	70	95

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

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225810

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
CRU-31	CRU-QC	FND-03	LOG-22	
PUL-32	PUL-QC	SCR-21	SPL-22Y	
WEI-21				

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

Applies to Method:			
Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
ME-ICP61			

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Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 30-SEP-2018
This copy reported on
4-OCT-2018
Account: PORCES

CERTIFICATE FA18225805

Project: Herbert Gold

This report is for 14 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 3-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
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VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225805

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
339984		1.84	0.168	<0.5	7.31	7120	1030	1.2	<2	3.23	<0.5	14	16	21	3.84	20
339985		2.37	0.118	<0.5	2.18	4340	270	<0.5	<2	1.42	<0.5	5	41	8	1.34	<10
339986		2.19	0.112	<0.5	7.84	4490	1200	1.4	<2	5.04	<0.5	14	18	32	3.76	20
339987		2.16	0.022	<0.5	7.81	433	1340	1.3	<2	3.47	<0.5	18	19	41	4.16	20
339988		0.53	0.002	<0.5	0.10	10	20	<0.5	<2	35.4	<0.5	<1	3	1	0.17	<10
339989		1.26	0.007	<0.5	7.41	18	3580	1.0	<2	5.20	<0.5	15	14	8	4.14	20
339990		1.71	0.002	<0.5	7.60	15	910	1.1	<2	4.42	<0.5	22	20	15	4.39	20
339991		2.71	0.007	<0.5	7.51	23	770	1.1	<2	4.06	0.5	15	21	13	4.17	20
339992		2.37	0.060	<0.5	7.54	47	850	1.1	<2	4.15	1.1	17	18	14	4.21	20
339993		2.86	0.049	0.7	7.57	59	700	1.1	<2	5.23	1.4	16	20	18	4.33	20
339994		2.00	0.152	0.9	7.31	1280	890	1.2	2	4.08	1.0	16	18	21	4.19	20
339997		0.06	1.055	<0.5	7.01	12	160	<0.5	<2	6.53	0.8	49	193	161	7.99	20
339998		1.88	0.305	<0.5	7.54	377	710	1.1	<2	5.72	1.4	20	21	22	5.40	20
340002		1.09	1.625	7.2	7.13	>10000	510	1.2	<2	4.29	0.9	16	17	15	5.42	20

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 30-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225805

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
339984		0.94	10	1.31	646	2	3.05	3	980	17	0.59	<5	11	648	<20	0.37
339985		0.30	<10	0.33	298	3	0.99	1	240	10	0.29	<5	3	189	<20	0.09
339986		1.32	10	1.33	1015	2	3.59	1	880	20	0.62	<5	12	762	<20	0.34
339987		1.52	10	1.39	670	3	3.00	4	960	9	0.51	<5	11	642	<20	0.38
339988		0.04	<10	1.16	145	<1	0.02	<1	50	2	0.13	<5	<1	339	<20	0.01
339989		1.94	10	1.67	922	1	1.85	4	1020	9	0.17	5	11	520	<20	0.40
339990		1.59	10	1.59	872	2	1.94	4	1060	9	0.08	<5	13	548	<20	0.40
339991		1.89	10	1.50	816	2	1.98	4	1130	14	0.09	5	12	434	<20	0.41
339992		2.07	10	1.50	828	3	2.02	4	1120	18	0.14	<5	12	447	<20	0.40
339993		2.21	20	1.62	932	3	1.76	5	1150	20	0.18	6	13	436	<20	0.41
339994		2.28	10	1.49	813	2	1.66	5	1150	17	0.35	8	12	322	<20	0.42
339997		0.24	<10	4.24	1340	2	2.13	115	440	5	0.21	<5	42	118	<20	0.61
339998		2.15	20	2.03	1150	3	1.59	6	1430	12	0.51	5	20	481	<20	0.56
340002		1.77	10	1.56	785	2	1.50	6	970	28	1.02	16	13	360	<20	0.37

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 30-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225805

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
339984		<10	<10	96	20	86	
339985		<10	<10	26	<10	24	
339986		<10	<10	97	<10	83	
339987		<10	<10	107	1000	92	
339988		<10	<10	4	10	6	
339989		<10	<10	105	40	87	
339990		<10	<10	110	3030	101	
339991		<10	<10	112	30	94	
339992		<10	<10	110	40	144	
339993		<10	<10	113	50	157	
339994		<10	<10	116	40	101	
339997		10	<10	293	<10	88	
339998		<10	<10	167	90	125	
340002		<10	<10	113	60	108	1.055

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30- SEP- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225805

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU- 31	CRU- QC	DRY- 21	LOG- 22
	LOG- 24	SPL- 22Y	WEI- 21	

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

Applies to Method:				
	As- OG62	Au- ICP21	ME- ICP61	ME- OG62
	PUL- 31			

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To: GRANDE PORTAGE RESOURCES LTD.
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Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 8-OCT-2018
Account: PORCES

CERTIFICATE FA18225789

Project: Herbert Gold

This report is for 11 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 10-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 8-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225789

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
346581		1.56	0.034	<0.5	8.11	203	1000	1.1	<2	5.01	0.9	17	18	9	4.92	20
346582		1.24	1.850	<0.5	8.20	134	770	1.1	<2	5.20	0.6	16	21	5	4.62	20
346583		1.56	0.002	<0.5	8.04	5	950	1.2	<2	4.70	0.9	18	19	22	5.03	20
346584		2.35	0.010	<0.5	7.81	366	880	1.0	<2	4.35	0.6	17	20	14	4.81	20
346585		1.54	1.110	<0.5	7.92	7640	1090	1.1	<2	4.90	0.9	15	21	12	4.61	20
346586		1.98	0.019	<0.5	8.47	446	1060	1.2	<2	4.96	0.6	17	19	20	5.02	20
346587		2.92	1.380	<0.5	8.20	7120	1210	1.3	<2	4.57	0.5	14	18	13	4.66	20
346588		2.54	1.115	0.5	7.96	8270	890	1.1	2	5.01	0.8	19	17	15	5.05	20
346589		1.67	0.175	<0.5	7.97	4550	1180	1.3	<2	4.27	0.5	15	17	12	4.44	20
346590		0.06	1.060	<0.5	6.93	14	140	<0.5	<2	6.89	1.2	47	191	157	8.10	20
346595		1.38	1.065	0.5	7.03	9800	1160	1.2	<2	3.51	<0.5	7	15	7	2.44	10

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 8-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225789

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
346581		1.11	10	1.68	878	2	2.33	7	1260	10	0.08	<5	15	691	<20	0.50
346582		1.14	10	1.48	842	1	2.16	6	1290	12	0.06	7	15	562	<20	0.51
346583		1.20	10	1.80	932	1	2.69	5	1260	11	0.02	<5	15	759	<20	0.50
346584		1.29	10	1.78	840	1	2.23	5	1230	9	0.12	<5	13	599	<20	0.46
346585		1.33	10	1.70	829	2	2.91	4	1300	10	0.47	6	14	589	<20	0.48
346586		1.21	10	1.99	988	2	2.86	6	1300	14	0.13	7	14	785	<20	0.50
346587		1.32	10	1.81	933	2	2.95	5	1290	10	0.47	5	14	641	<20	0.47
346588		1.25	10	1.95	946	1	2.82	5	1310	5	0.55	<5	15	531	<20	0.49
346589		1.04	10	1.74	850	1	3.09	4	1110	12	0.39	5	14	751	<20	0.46
346590		0.24	<10	4.32	1360	1	2.16	112	430	<2	0.21	<5	42	119	<20	0.61
346595		0.98	10	0.65	497	1	3.98	2	440	82	0.56	<5	5	524	20	0.19

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 8-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225789

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
346581		<10	<10	136	10	112
346582		<10	<10	136	10	86
346583		<10	<10	130	<10	120
346584		<10	<10	129	10	106
346585		<10	<10	131	20	115
346586		<10	<10	136	<10	118
346587		<10	<10	126	190	102
346588		<10	<10	129	30	104
346589		<10	<10	122	<10	99
346590		<10	<10	291	<10	89
346595		10	20	47	10	35

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 8-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225789

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
CRU-31	CRU-QC	DRY-21	LOG-22	
LOG-24	PUL-QC	SPL-22Y	WEI-21	

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

Applies to Method:			
Au-ICP21	ME-ICP61	PUL-31	

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

CERTIFICATE FA18225781

Project: Herbert Gold

This report is for 5 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 10-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

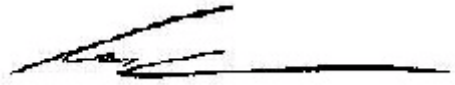
ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
WEI-21	Received Sample Weight
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

Project: HerbertGold

CERTIFICATE OF ANALYSIS FA18225781

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)m mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5
346580		2.07	11.50	65.5	7.89	3.137	47.93	717.1	8.78	7.00	7.90	3.5	6.26	6480	770	0.9
346591		1.37	0.32	1.24	0.26	0.063	50.80	724.2	0.27	0.24	0.243	<0.5	8.34	2360	850	1.2
346592		1.49	3.04	10.35	2.56	0.525	50.83	759.2	2.21	2.90	1.925	3.1	6.48	>10000	920	0.9
346593		1.18	0.87	0.88	0.87	0.044	50.02	720.0	0.85	0.88	0.819	0.5	7.45	7730	910	1.1
346594		1.44	1.34	1.35	1.34	0.062	45.87	719.1	1.32	1.36	1.390	1.6	7.36	>10000	1030	1.1

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VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225781

Sample Description	Method Analyte Units LOD	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1
346580		<2	4.87	2.4	13	24	34	3.70	20	1.30	10	1.00	709	2	1.43	5
346591		<2	5.82	0.9	20	23	25	5.10	20	2.03	10	1.43	923	1	1.91	7
346592		<2	4.08	2.2	13	22	39	4.16	20	1.29	10	0.93	683	3	2.17	7
346593		<2	5.12	0.8	15	21	36	4.33	20	1.44	10	1.17	783	1	2.51	7
346594		<2	4.31	0.7	17	19	32	4.27	20	1.37	10	1.23	708	1	2.67	7

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 5-OCT-2018
Account: PORCES

Project: HerbertGold

CERTIFICATE OF ANALYSIS FA18225781

Sample Description	Method	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
	Analyte	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	10	2	0.01	5	1	1	20	0.01	10	10	1	10	2
346580		930	572	0.52	6	12	351	<20	0.34	10	<10	98	60	112
346591		1380	11	0.22	6	17	361	<20	0.51	<10	<10	149	30	110
346592		900	693	1.07	10	11	334	<20	0.34	<10	<10	100	50	100
346593		1010	13	0.53	<5	13	424	<20	0.39	10	<10	108	60	88
346594		1030	24	0.88	6	13	417	<20	0.37	<10	<10	107	230	77

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

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 5-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18225781

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	FND-03	LOG-22
	PUL-32	PUL-QC	SCR-21	SPL-22Y
	WEI-21			

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

Applies to Method:				
	Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
	ME-ICP61			

ALS Canada Ltd.

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

CERTIFICATE FA18223232

Project: Herbert Gold

This report is for 16 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 7-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
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VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223232

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
346563		1.78	2.31	1.3	8.16	6230	1330	1.0	<2	3.88	1.1	15	33	11	3.97	20
346564		2.04	0.002	<0.5	7.78	27	1230	1.2	<2	4.68	0.6	13	27	12	4.37	20
346565		1.16	1.230	1.1	7.68	7060	1120	1.2	2	4.58	1.6	16	33	10	3.94	20
346567		2.73	0.003	<0.5	8.59	21	1150	1.2	<2	4.41	<0.5	15	30	14	4.62	20
346568		2.40	0.003	<0.5	7.73	24	1310	1.1	<2	4.23	0.6	13	26	14	4.32	20
346569		1.89	<0.001	<0.5	8.37	<5	980	1.2	<2	4.72	0.8	17	27	15	4.91	20
346570		2.67	0.053	<0.5	7.48	42	1180	1.1	<2	4.51	1.0	13	25	22	4.34	20
346571		2.13	0.411	0.5	7.55	2300	770	0.9	<2	5.84	0.7	15	27	12	4.16	20
346572		1.90	2.01	2.8	8.02	6830	510	1.2	<2	4.62	2.9	14	21	15	4.53	20
346573		0.07	0.342	<0.5	7.60	6	210	0.6	<2	6.68	0.8	48	178	115	8.13	20
346574		1.96	0.669	1.0	8.05	5480	930	1.1	<2	6.11	1.8	17	23	22	4.92	20
346575		1.86	0.007	<0.5	8.34	38	600	1.2	<2	4.20	0.7	16	26	14	4.84	20
346576		2.34	0.035	0.7	7.75	2160	950	1.0	<2	4.51	0.7	18	29	13	4.93	20
346577		1.13	1.055	<0.5	8.01	>10000	970	1.2	<2	4.87	0.9	18	25	15	5.73	20
346578		0.97	2.37	2.5	4.76	>10000	540	0.7	<2	2.36	4.6	9	28	6	2.89	10
346579		2.30	0.046	<0.5	8.38	993	490	1.2	<2	5.05	0.7	13	27	2	3.63	20

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

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www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223232

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
346563		1.50	10	1.38	701	2	2.78	7	1220	14	0.38	9	12	447	<20	0.47
346564		1.42	10	1.09	817	3	2.01	6	1200	11	0.06	6	13	578	<20	0.47
346565		1.24	10	1.30	944	3	2.38	5	1150	251	0.50	7	12	566	<20	0.39
346567		1.49	20	1.50	791	2	2.09	4	1250	8	0.05	9	14	583	<20	0.48
346568		1.49	10	1.41	745	3	2.10	4	1190	11	0.04	8	12	621	<20	0.45
346569		1.16	20	1.79	930	2	2.70	5	1310	10	0.01	<5	15	801	<20	0.49
346570		1.93	10	1.24	792	3	1.78	6	1190	6	0.19	12	12	473	<20	0.47
346571		1.95	20	1.51	975	3	1.12	5	1190	8	0.25	9	14	262	<20	0.45
346572		1.89	10	1.68	843	2	1.82	6	1270	71	0.48	10	13	330	<20	0.46
346573		0.43	10	4.42	1395	2	2.28	130	1000	<2	0.09	<5	34	280	<20	0.87
346574		2.35	20	1.56	1000	2	0.77	7	1380	12	0.47	7	16	223	<20	0.50
346575		1.35	10	1.96	824	2	2.10	5	1330	10	0.05	6	17	528	<20	0.51
346576		1.01	10	1.93	946	1	2.41	10	1260	91	0.24	<5	15	682	<20	0.50
346577		1.55	20	1.69	854	3	1.92	6	1330	4	0.91	6	16	427	<20	0.48
346578		0.74	10	0.84	409	2	1.45	3	680	763	0.55	<5	7	314	<20	0.25
346579		0.39	10	1.81	912	2	3.07	7	1210	31	0.07	<5	14	894	<20	0.52

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223232

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
346563		<10	<10	115	40	100	
346564		<10	<10	123	10	113	
346565		<10	<10	105	10	111	
346567		<10	<10	123	<10	110	
346568		<10	<10	118	<10	104	
346569		10	<10	133	<10	118	
346570		<10	<10	124	30	105	
346571		<10	<10	121	20	91	
346572		<10	<10	129	30	146	
346573		10	<10	251	<10	105	
346574		<10	<10	139	50	117	
346575		<10	<10	130	10	120	
346576		<10	<10	130	950	108	
346577		<10	<10	135	40	114	1.770
346578		<10	<10	71	20	139	1.060
346579		<10	<10	131	<10	73	

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28- SEP- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223232

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU- 31	CRU- QC	DRY- 21	LOG- 22
	LOG- 24	SPL- 22Y	WEI- 21	

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

Applies to Method:				
	As- OG62	Au- ICP21	ME- ICP61	ME- OG62
	PUL- 31			

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

CERTIFICATE FA18223200

Project: Herbert Gold

This report is for 2 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 4-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-QC	Pulverizing QC Test
SCR-21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223200

Sample Description	Method	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-AA25	Au-AA25D	Au-ICP21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au Total	Au(+)F	Au(-)F	Au(+)m	WT.+Fr	WT.-Fr	Au	Au	Au	Ag	Al	As	Ba	Be	Bi
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01	0.001	0.5	0.01	5	10	0.5	2
346554		2.07	14.50	1.52	0.615	42.48	957.5	1.45	1.58	1.385	0.8	6.40	>10000	1190	0.9	<2
346556		4.22	27.4	3.06	1.414	51.63	1033.5	3.10	3.02	2.93	2.0	2.49	6440	1350	0.6	<2

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223200

Sample Description	Method	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	ME-ICP61
	Analyte	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1	10
346554		3.86	2.8	13	37	40	3.59	20	1.81	10	1.19	728	3	1.90	5	1000
346556		2.62	3.7	5	63	10	2.04	10	0.54	10	0.45	427	5	0.54	2	310

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223200

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	2	0.01	5	1	1	20	0.01	10	10	1	10	2
346554		19	1.09	9	11	261	<20	0.34	<10	<10	107	70	111
346556		146	0.58	<5	4	183	<20	0.12	<10	<10	36	20	137

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
VANCOUVER BC V6C 2T5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 28- SEP- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223200

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:	FND- 03	PUL- 32	PUL- QC	SCR- 21
	SPL- 22Y			

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

Applies to Method:	Au- AA25	Au- AA25D	Au- ICP21	Au- SCR21
	ME- ICP61			

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

CERTIFICATE FA18223184

Project: Herbert Gold

This report is for 28 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 4-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

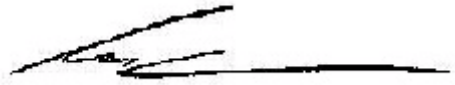
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223184

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
340033		2.20	0.219	<0.5	7.82	1475	1440	1.1	<2	3.83	0.5	14	17	16	4.25	20
340034		2.91	0.699	3.0	7.50	9790	1350	1.2	3	3.53	0.6	13	17	9	3.75	20
340035		1.39	0.701	0.7	8.51	1690	810	1.1	<2	5.85	0.6	19	14	6	4.65	20
340036		1.43	0.020	<0.5	8.22	153	650	1.1	<2	5.67	0.8	15	15	3	5.06	20
340037		1.02	0.006	<0.5	8.04	17	1290	1.1	<2	4.51	0.6	15	16	11	4.61	20
340038		1.73	0.005	<0.5	6.86	6	940	0.9	3	5.25	<0.5	12	18	6	4.12	20
340039		1.48	0.003	<0.5	7.95	198	1330	1.1	<2	4.49	0.5	14	17	12	4.26	20
340040		1.40	0.256	<0.5	6.59	3810	940	0.9	<2	4.47	0.9	9	21	10	3.14	20
340041		1.27	0.292	0.6	7.02	>10000	1210	1.0	2	3.81	0.8	15	16	10	4.56	20
340042		1.82	0.001	<0.5	8.88	35	1250	1.2	<2	5.04	0.7	17	18	18	5.35	20
340043		1.03	0.001	<0.5	7.61	66	1500	1.1	<2	4.13	0.6	14	17	11	4.39	20
340044		0.94	0.303	0.5	7.82	5700	1050	1.1	<2	4.16	0.8	13	16	16	4.44	20
340045		1.27	0.005	<0.5	7.67	26	1290	1.2	<2	4.01	0.6	13	21	10	4.31	20
340046		1.38	0.883	0.7	8.11	7080	1090	1.1	<2	3.78	0.8	13	16	17	4.42	20
340047		1.28	0.018	<0.5	8.01	40	1060	1.1	<2	5.60	0.9	13	17	10	4.31	20
340048		2.33	0.030	<0.5	7.36	1250	1030	1.1	<2	4.26	0.5	13	16	9	3.91	20
340049		1.95	0.004	<0.5	8.01	15	1080	1.1	<2	4.55	0.8	13	17	13	4.29	20
340050		2.24	<0.001	<0.5	8.32	12	1250	1.1	<2	4.11	0.8	15	16	13	4.51	20
340051		2.83	0.064	<0.5	8.14	246	1390	1.1	<2	3.81	<0.5	15	17	12	4.43	20
346552		0.07	0.323	<0.5	7.47	<5	200	0.6	<2	6.53	1.0	46	181	113	8.00	20
346553		1.77	0.462	<0.5	7.91	17	1590	1.1	<2	4.18	0.7	14	16	10	4.47	20
346555		1.43	<0.001	<0.5	8.74	<5	1070	1.2	<2	4.74	0.7	16	17	22	5.03	20
346557		2.55	0.189	<0.5	7.93	1370	1190	1.1	<2	4.22	0.7	16	15	12	4.62	20
346558		2.46	<0.001	<0.5	8.54	12	1050	1.2	<2	4.56	0.7	17	21	11	5.03	20
346559		1.16	0.002	<0.5	8.12	17	720	1.0	<2	5.48	0.8	13	12	9	4.22	20
346560		3.13	0.005	<0.5	8.72	100	1010	1.1	<2	5.62	0.6	18	17	33	5.47	20
346561		1.81	<0.001	<0.5	8.45	7	820	1.2	<2	5.40	0.6	17	18	5	4.97	20
346562		2.29	<0.001	<0.5	8.38	5	790	1.1	<2	4.98	0.6	17	21	8	5.29	20

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223184

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
340033		1.42	10	1.58	789	2	2.57	5	1160	17	0.21	8	11	715	<20	0.45
340034		0.97	10	1.49	748	1	3.07	4	1110	1020	0.65	10	11	692	<20	0.38
340035		1.75	10	1.14	945	1	0.22	5	1310	10	0.28	6	13	232	<20	0.51
340036		1.26	10	1.15	991	1	0.13	4	1280	14	0.04	8	13	298	<20	0.49
340037		1.68	10	1.57	827	2	2.30	6	1250	9	0.09	<5	13	693	<20	0.49
340038		1.31	20	1.45	784	2	2.10	5	1090	7	0.01	<5	14	428	<20	0.42
340039		1.56	10	1.50	789	2	2.19	6	1180	9	0.05	<5	13	525	<20	0.45
340040		1.26	10	1.13	839	2	1.91	3	900	23	0.30	7	10	412	<20	0.32
340041		1.31	20	1.33	740	2	1.98	4	1000	108	0.78	<5	12	457	<20	0.35
340042		1.25	10	2.01	1030	2	2.60	7	1440	10	0.02	7	15	828	<20	0.54
340043		1.55	10	1.54	847	1	2.59	5	1190	11	0.01	6	11	696	<20	0.46
340044		1.53	20	1.51	812	2	2.19	5	1090	14	0.40	7	12	551	<20	0.41
340045		1.81	20	1.36	809	4	2.09	5	1160	4	0.08	9	12	595	<20	0.45
340046		1.48	10	1.61	803	2	2.80	6	1200	13	0.49	5	14	587	<20	0.44
340047		1.97	20	1.55	1070	2	1.91	4	1210	<2	0.13	6	14	498	<20	0.47
340048		2.06	10	1.42	835	3	1.96	6	1120	4	0.18	6	11	431	<20	0.43
340049		1.69	10	1.42	842	2	2.31	4	1150	8	0.08	7	12	565	<20	0.44
340050		1.27	20	1.61	856	3	2.56	6	1230	9	0.03	5	14	682	<20	0.47
340051		1.18	10	1.62	771	2	2.67	6	1200	11	0.07	10	12	733	<20	0.45
346552		0.42	10	4.34	1370	2	2.25	127	990	<2	0.09	<5	34	278	<20	0.86
346553		1.45	10	1.69	896	2	2.42	5	1210	8	0.09	8	13	667	<20	0.46
346555		1.20	10	1.88	928	1	2.73	7	1350	11	0.02	6	15	815	<20	0.53
346557		1.61	20	1.68	868	2	2.29	5	1240	8	0.16	7	13	532	<20	0.46
346558		1.25	10	1.88	936	2	2.52	5	1380	10	0.03	10	14	771	<20	0.51
346559		1.53	10	1.41	1060	2	2.57	5	1140	4	0.03	13	11	698	<20	0.41
346560		1.27	10	2.03	1140	2	2.38	7	1500	7	0.13	5	15	826	<20	0.55
346561		1.28	20	1.65	983	2	1.81	6	1420	10	0.02	<5	17	599	<20	0.53
346562		1.47	20	1.94	991	3	2.02	7	1420	4	0.03	6	17	666	<20	0.53

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223184

Sample Description	Method Analyte Units LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	As-OG62 As % 0.001
340033		<10	<10	116	140	105	
340034		<10	<10	109	40	88	
340035		<10	<10	127	20	127	
340036		<10	<10	129	20	140	
340037		<10	<10	121	10	106	
340038		<10	<10	115	<10	99	
340039		<10	<10	116	<10	111	
340040		10	<10	79	20	79	
340041		<10	<10	93	10	103	1.520
340042		<10	<10	148	<10	125	
340043		10	<10	117	<10	108	
340044		<10	<10	109	10	104	
340045		<10	<10	116	20	95	
340046		<10	<10	120	20	94	
340047		<10	<10	119	30	88	
340048		<10	<10	112	30	77	
340049		<10	<10	115	10	96	
340050		<10	<10	124	10	110	
340051		<10	<10	119	10	111	
346552		<10	<10	247	<10	101	
346553		<10	<10	119	10	108	
346555		<10	<10	140	<10	121	
346557		<10	<10	129	20	109	
346558		<10	<10	141	<10	122	
346559		<10	<10	113	10	104	
346560		<10	<10	157	<10	132	
346561		<10	<10	146	<10	98	
346562		<10	<10	150	<10	108	

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
VANCOUVER BC V6C 2T5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 28- SEP- 2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223184

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
CRU- 31	CRU- QC	DRY- 21	LOG- 22	
LOG- 24	SPL- 22Y	WEI- 21		

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

Applies to Method:			
As- OG62	Au- ICP21	ME- ICP61	ME- OG62
PUL- 31			

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501- 590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 1- OCT- 2018
Account: PORCES

CERTIFICATE FA18223163

Project: Herbert Gold

This report is for 8 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 3- SEP- 2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
PUL- 32	Pulverize 1000g to 85% < 75 um
SPL- 22Y	Split Sample - Boyd Rotary Splitter
WEI- 21	Received Sample Weight
PUL- QC	Pulverizing QC Test
SCR- 21	Screen 1kg to 106 to 106um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Au- SCR21	Au Screen Fire Assay - 100 to 106 um	WST- SIM
Au- AA25	Ore Grade Au 30g FA AA finish	AAS
Au- AA25D	Ore Grade Au 30g FA AA Dup	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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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223163

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au(+)F ppm 0.05	Au-SCR21 Au(-)F ppm 0.05	Au-SCR21 Au(+)mg mg 0.001	Au-SCR21 WT.+Fr g 0.01	Au-SCR21 WT.-Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01	Au-GRA21 Au ppm 0.05	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5
340022		2.53	3.14	2.50	0.117	37.23	912.8	2.51	2.49		2.54	3.2	6.44	7320	1010	1.1
340023		11.70	92.8	7.88	3.858	41.58	888.4	8.42	7.34		7.84	4.2	6.06	9690	1330	0.9
340024		1.44	1.40	1.45	0.072	51.38	993.6	1.42	1.47		1.370	1.6	7.07	6180	860	1.1
340026		1.87	1.72	1.88	0.086	49.86	710.1	1.88	1.87		1.880	2.1	5.19	5270	590	0.7
340028		0.18	0.27	0.18	0.013	48.72	896.3	0.18	0.17		0.189	0.7	7.30	1250	740	1.1
340029		42.7	441	21.4	22.489	50.95	954.0	22.4	20.4	22.5	>10.0	8.4	1.64	5220	390	<0.5
340030		88.6	884	47.0	43.918	49.67	950.3	46.0	48.0	44.3	>10.0	23.8	1.66	>10000	230	<0.5
340031		0.07	<0.05	0.08	<0.001	49.48	1000.5	0.07	0.08		0.093	<0.5	7.51	577	1010	1.1

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VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223163

Sample Description	Method	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	ME-ICP61
	Analyte	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm
	LOD	2	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1
340022		<2	4.63	6.8	11	34	36	3.40	20	2.31	20	1.01	661	4	0.47	4
340023		2	4.55	2.6	9	43	5	3.37	20	2.08	20	1.21	602	4	0.19	3
340024		<2	3.68	2.1	12	40	19	3.40	20	2.57	10	1.22	524	3	0.60	5
340026		<2	4.58	1.6	8	49	102	2.81	10	1.55	20	1.00	672	5	0.83	4
340028		<2	6.14	0.5	13	23	20	4.10	20	2.50	20	1.81	935	2	0.54	3
340029		<2	4.03	13.2	3	70	9	1.50	<10	0.44	10	0.45	580	6	0.21	2
340030		9	1.32	51.1	3	80	10	2.32	<10	0.27	<10	0.17	222	6	0.60	3
340031		<2	3.99	<0.5	14	29	15	4.40	20	1.30	10	1.57	739	3	2.42	6

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223163

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	WEI-21 Recvd Wt. kg 0.02
340022		890	385	1.23	<5	11	192	<20	0.34	<10	<10	110	50	253	2.07
340023		850	72	0.92	<5	11	175	<20	0.30	<10	<10	92	50	150	2.85
340024		1110	37	1.00	<5	12	146	<20	0.39	<10	<10	115	60	149	2.27
340026		690	33	0.67	6	8	174	<20	0.26	<10	<10	76	50	89	0.83
340028		1070	21	0.39	<5	12	331	<20	0.41	<10	<10	111	60	111	2.67
340029		200	505	0.43	<5	3	142	<20	0.08	<10	<10	26	10	403	1.59
340030		200	4890	1.10	<5	2	60	<20	0.08	<10	<10	24	10	1105	1.37
340031		1160	30	0.15	<5	12	519	<20	0.42	<10	<10	111	20	104	2.41

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501 - 590 HOWE STREET
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 1-OCT-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223163

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	FND-03	PUL-32	PUL-QC	SCR-21
	SPL-22Y	WEI-21		

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

Applies to Method:				
	Au-AA25	Au-AA25D	Au-GRA21	Au-ICP21
	Au-SCR21	ME-ICP61		

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

CERTIFICATE FA18223154

Project: Herbert Gold

This report is for 22 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 3-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223154

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
340003		1.88	0.223	<0.5	8.02	527	810	1.2	<2	2.96	0.5	14	15	23	4.10	20
340004		2.60	0.001	<0.5	0.18	6	20	<0.5	<2	0.44	<0.5	<1	56	1	0.59	<10
340005		1.22	0.026	<0.5	4.93	118	460	0.7	<2	2.04	<0.5	8	35	6	2.72	10
340006		2.31	<0.001	<0.5	8.05	10	1380	1.1	2	3.95	0.5	16	16	7	4.80	20
340007		0.87	0.247	<0.5	6.78	718	680	1.2	<2	1.86	0.7	14	22	13	3.45	20
340008		1.67	<0.001	<0.5	0.32	7	50	<0.5	<2	0.52	<0.5	<1	90	1	0.64	<10
340009		2.51	0.032	<0.5	7.56	140	1160	1.1	2	3.56	<0.5	13	30	11	4.11	20
340010		3.14	0.019	<0.5	3.46	58	410	0.5	<2	2.02	<0.5	4	80	8	1.82	10
340011		1.59	<0.001	<0.5	7.88	8	1260	1.2	2	4.65	0.6	14	28	5	4.58	20
340012		1.71	0.134	<0.5	7.95	3790	1570	1.1	<2	4.56	1.2	15	18	16	4.74	20
340013		1.64	<0.001	<0.5	8.28	11	1150	1.2	<2	4.89	0.7	16	19	14	5.12	20
340014		1.97	1.090	<0.5	7.27	6170	1500	1.0	<2	3.64	<0.5	12	17	14	3.72	20
340015		0.79	0.190	<0.5	7.78	3930	1570	1.1	<2	4.49	0.7	13	17	20	4.27	20
340016		1.10	1.260	5.2	5.77	>10000	1210	0.8	<2	2.83	1.1	8	17	9	3.08	10
340017		1.94	0.134	<0.5	8.26	2570	1570	1.1	<2	4.05	0.7	14	23	16	4.51	20
340018		0.92	4.98	1.2	7.44	3990	1480	1.0	<2	3.87	3.0	12	20	11	4.05	20
340019		2.74	0.003	<0.5	7.82	17	1440	1.0	<2	3.08	<0.5	13	18	38	4.31	20
340020		2.60	0.008	<0.5	7.55	29	3600	1.0	<2	3.28	<0.5	13	17	14	4.23	20
340021		2.81	0.096	<0.5	7.37	122	1910	0.9	<2	3.18	0.5	12	18	10	3.96	20
340025		0.07	2.99	0.7	6.06	30	190	<0.5	<2	5.45	1.0	39	265	138	6.35	10
340027		1.90	1.255	1.5	7.12	3970	800	1.1	<2	5.50	0.8	13	20	39	3.76	20
340032		1.47	0.001	<0.5	8.76	<5	1180	1.2	<2	4.90	0.9	16	19	15	5.32	20

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223154

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
340003		1.41	10	0.87	447	2	1.04	4	1170	6	0.27	5	15	250	<20	0.48
340004		0.06	<10	0.02	90	<1	0.01	2	30	<2	0.01	<5	<1	8	<20	0.01
340005		0.97	10	0.76	284	1	0.91	3	700	4	0.05	<5	8	199	<20	0.26
340006		1.49	10	1.90	816	2	2.16	6	1290	8	0.04	<5	14	643	<20	0.49
340007		1.73	10	2.48	439	1	0.45	11	1050	3	0.17	<5	13	233	<20	0.42
340008		0.10	<10	0.06	90	5	0.01	1	60	<2	0.01	<5	<1	11	<20	0.01
340009		1.19	10	1.42	601	3	1.85	3	1050	8	0.13	9	12	517	<20	0.42
340010		0.61	10	0.41	320	5	0.53	2	380	2	0.09	<5	4	131	<20	0.17
340011		1.21	10	1.29	724	3	2.04	4	1240	5	0.06	<5	13	612	<20	0.48
340012		1.38	10	1.79	995	2	2.52	4	1280	9	0.32	<5	14	617	<20	0.47
340013		1.14	10	1.87	976	2	2.62	6	1380	11	0.02	6	14	816	<20	0.51
340014		1.14	10	1.38	650	2	2.57	4	1010	12	0.51	7	12	395	<20	0.37
340015		1.37	10	1.57	804	3	2.49	4	1180	9	0.38	9	12	564	<20	0.39
340016		1.09	10	0.96	523	2	1.81	2	770	40	0.68	<5	8	324	<20	0.24
340017		1.23	10	1.67	842	2	2.72	5	1230	14	0.27	6	13	708	<20	0.44
340018		1.15	10	1.43	694	2	2.53	4	1070	171	0.30	<5	11	616	<20	0.40
340019		1.35	10	1.82	695	2	2.58	5	1160	9	0.05	6	13	417	<20	0.44
340020		1.45	10	1.62	700	1	2.45	4	1160	8	0.11	7	12	558	<20	0.43
340021		1.39	10	1.43	638	2	2.16	5	1090	15	0.12	5	12	384	<20	0.41
340025		0.38	10	4.08	1110	3	1.73	129	380	18	0.42	8	33	102	<20	0.47
340027		2.35	20	1.36	829	2	0.83	7	950	25	0.96	10	11	233	<20	0.36
340032		1.21	10	2.03	1010	2	2.58	6	1420	11	0.02	8	16	799	<20	0.53

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223154

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
340003		<10	<10	125	20	99	
340004		<10	<10	2	<10	<2	
340005		<10	<10	68	<10	60	
340006		<10	<10	133	<10	113	
340007		<10	<10	119	10	90	
340008		<10	<10	4	<10	3	
340009		<10	<10	113	<10	94	
340010		<10	<10	42	<10	37	
340011		<10	<10	123	<10	114	
340012		<10	<10	125	20	120	
340013		10	<10	143	<10	120	
340014		<10	<10	104	20	84	
340015		<10	<10	116	30	99	
340016		<10	<10	75	40	70	1.335
340017		<10	<10	117	20	114	
340018		<10	<10	103	10	143	
340019		<10	<10	113	10	118	
340020		<10	<10	114	10	113	
340021		<10	<10	110	10	107	
340025		<10	<10	234	<10	84	
340027		<10	<10	111	40	93	
340032		10	<10	149	<10	124	

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

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 28-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18223154

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	LOG-24	SPL-22Y	WEI-21	

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31			

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

CERTIFICATE FA18217443

Project: Herbert Gold

This report is for 36 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 27-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18217443

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
339948		1.69	0.206	<0.5	8.15	3080	1360	1.2	<2	4.21	<0.5	14	19	8	4.48	20
339949		2.52	0.102	<0.5	8.17	4520	1590	1.2	<2	4.49	<0.5	15	22	20	4.33	20
339950		1.29	0.373	<0.5	7.23	2530	1190	1.0	<2	3.77	<0.5	14	26	20	4.00	20
339951		2.22	0.001	<0.5	7.42	114	1410	1.0	<2	3.88	<0.5	14	21	12	4.26	20
339952		1.31	0.014	<0.5	7.61	85	1470	1.0	2	3.95	<0.5	14	26	11	3.99	20
339953		1.25	0.057	0.8	7.24	249	1130	0.9	<2	4.81	<0.5	13	20	9	3.78	20
339954		0.99	0.034	<0.5	7.47	755	1700	1.0	2	4.18	<0.5	14	18	12	4.09	20
339955		1.86	0.019	<0.5	7.91	2240	1620	1.0	2	4.07	<0.5	15	23	25	4.40	20
339956		1.95	0.007	<0.5	8.11	513	1650	1.1	3	4.42	<0.5	15	20	17	4.60	20
339957		2.19	<0.001	<0.5	8.05	23	1380	1.1	<2	3.99	<0.5	14	20	13	4.30	20
339958		1.14	<0.001	<0.5	8.48	7	1250	1.1	<2	4.72	<0.5	17	23	13	5.23	20
339959		1.42	0.573	<0.5	6.69	2780	1260	0.9	<2	3.21	<0.5	13	30	18	3.72	20
339960		1.31	0.096	<0.5	9.05	2030	1500	1.3	3	4.50	<0.5	18	19	17	5.06	30
339961		2.86	<0.001	<0.5	7.34	10	1330	1.0	2	3.49	<0.5	13	24	15	3.88	20
339962		1.93	0.005	<0.5	3.53	80	590	0.5	3	2.47	<0.5	11	44	22	2.13	10
339963		1.21	1.645	<0.5	8.17	>10000	1580	1.2	3	4.12	<0.5	25	22	9	5.43	20
339964		1.85	0.095	<0.5	7.97	1480	1490	1.2	4	4.72	<0.5	15	19	22	4.16	20
339965		2.68	0.025	<0.5	7.82	666	1150	1.0	2	5.15	<0.5	5	15	4	3.10	20
339966		2.70	0.012	<0.5	6.49	160	1170	0.8	2	3.32	<0.5	13	32	19	3.64	20
339967		3.26	0.020	<0.5	7.55	38	1280	1.0	4	3.83	<0.5	11	33	16	3.91	20
339968		0.07	7.57	1.1	6.21	31	320	0.9	2	2.87	<0.5	43	314	115	5.65	20
339969		2.95	0.174	0.5	7.62	1990	630	1.2	2	3.75	<0.5	13	28	13	4.27	20
339970		1.62	0.201	1.4	2.51	>10000	270	<0.5	3	6.30	<0.5	9	37	1	2.27	<10
339971		1.88	0.023	<0.5	0.29	1350	50	<0.5	2	0.21	<0.5	4	89	11	0.68	<10
339972		1.64	0.045	0.5	1.57	1900	320	<0.5	<2	0.97	<0.5	9	74	37	1.56	<10
339973		1.38	0.176	1.5	5.22	4320	830	0.8	5	3.11	<0.5	9	37	16	2.30	10
339974		2.18	0.140	2.6	5.26	4930	870	0.8	10	3.08	<0.5	8	35	15	2.81	10
339975		1.92	0.033	0.6	1.61	2660	250	<0.5	<2	1.65	<0.5	3	54	4	1.08	<10
339976		2.26	0.337	23.1	1.89	>10000	180	<0.5	48	1.05	1.4	4	68	1	2.04	<10
339977		1.41	0.570	49.8	1.65	>10000	290	<0.5	102	0.72	4.1	5	82	1	2.99	<10
339978		1.47	0.095	0.6	7.16	>10000	920	1.0	4	3.62	0.8	14	34	17	4.16	20
339979		1.50	0.004	<0.5	8.46	210	1050	1.2	<2	4.43	<0.5	15	21	15	4.81	20
339980		1.63	0.021	2.8	6.84	3080	1310	0.9	7	3.19	<0.5	12	36	14	3.74	20
339981		0.09	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
339982		1.62	0.063	6.4	2.06	5570	350	<0.5	13	1.11	0.5	4	54	20	1.49	10
339983		1.44	0.444	<0.5	6.68	8410	970	0.9	<2	4.26	1.0	12	27	12	3.92	20

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18217443

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
339948		1.23	10	1.88	956	2	3.47	5	1290	14	0.23	<5	13	749	<20	0.52
339949		1.58	10	1.69	913	3	3.25	6	1190	10	0.32	<5	13	793	<20	0.47
339950		1.11	10	1.53	796	2	2.45	5	1030	11	0.28	<5	11	633	<20	0.40
339951		1.28	10	1.69	766	2	2.59	7	1080	12	0.06	5	12	620	<20	0.44
339952		1.38	10	1.33	672	3	2.25	5	1030	12	0.06	<5	12	604	<20	0.42
339953		0.94	10	0.85	774	3	0.77	4	1070	19	0.08	<5	11	311	<20	0.45
339954		1.41	10	1.51	752	3	2.45	6	1020	13	0.15	<5	12	675	<20	0.40
339955		1.49	10	1.58	810	2	2.50	7	1100	17	0.30	8	13	688	<20	0.44
339956		1.64	10	1.71	910	2	2.48	4	1130	13	0.17	<5	14	707	<20	0.46
339957		1.44	10	1.54	757	1	2.48	5	1060	14	0.08	<5	13	622	<20	0.43
339958		1.28	10	1.94	954	2	2.54	7	1320	14	0.01	5	15	799	<20	0.56
339959		1.19	10	1.27	613	2	2.12	4	890	15	0.26	<5	10	549	<20	0.36
339960		1.70	10	1.76	821	<1	2.96	4	1350	12	0.29	<5	14	706	<20	0.50
339961		1.27	10	1.37	693	2	2.29	4	960	13	0.08	5	11	621	<20	0.39
339962		0.66	10	0.61	428	4	1.04	3	410	5	0.26	<5	5	262	<20	0.16
339963		1.76	10	1.74	877	2	3.13	7	1220	21	1.12	5	13	769	<20	0.48
339964		1.15	10	1.68	903	1	2.78	5	1130	11	0.26	<5	13	740	<20	0.43
339965		0.82	10	1.57	748	<1	3.85	5	1140	12	0.07	<5	12	460	<20	0.41
339966		1.28	10	1.28	625	2	1.95	5	840	11	0.24	<5	11	523	<20	0.35
339967		1.31	10	1.39	672	3	2.32	4	1000	14	0.12	<5	11	659	<20	0.40
339968		1.08	10	4.05	742	6	1.22	255	1110	11	0.08	<5	20	283	<20	0.69
339969		1.62	10	0.97	530	2	0.46	6	1120	14	0.29	<5	12	147	<20	0.42
339970		0.21	<10	0.53	895	2	1.18	3	280	17	0.75	<5	3	192	<20	0.06
339971		0.05	<10	0.05	61	6	0.09	1	30	2	0.23	<5	<1	12	<20	0.02
339972		0.30	<10	0.30	203	5	0.57	1	210	9	0.63	<5	3	125	<20	0.09
339973		0.65	10	0.73	576	2	2.42	4	520	114	0.42	<5	6	482	<20	0.21
339974		0.64	10	0.99	550	2	2.17	2	690	316	0.43	<5	8	447	<20	0.26
339975		0.20	<10	0.29	277	4	0.71	3	210	74	0.17	<5	2	126	<20	0.07
339976		0.10	<10	0.28	168	5	1.08	1	210	3340	0.86	<5	3	161	<20	0.09
339977		0.13	<10	0.22	126	7	0.88	1	210	7090	1.57	7	2	144	<20	0.09
339978		0.65	10	1.53	806	2	3.19	6	1020	104	0.66	<5	12	532	<20	0.39
339979		1.43	10	1.75	852	<1	2.59	4	1220	44	0.07	<5	14	549	<20	0.49
339980		1.33	10	1.38	660	3	2.30	5	940	414	0.33	<5	11	569	<20	0.37
339981		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
339982		0.29	<10	0.38	234	3	0.70	3	260	864	0.32	<5	3	150	<20	0.10
339983		1.29	20	1.19	631	2	1.94	3	930	66	0.53	6	11	347	<20	0.32

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

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

To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18217443

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
339948		<10	<10	125	<10	118	
339949		<10	<10	120	20	109	
339950		<10	<10	104	20	95	
339951		10	<10	109	<10	102	
339952		<10	<10	102	30	96	
339953		<10	<10	113	20	135	
339954		<10	<10	105	3480	97	
339955		<10	<10	109	330	107	
339956		<10	<10	114	160	110	
339957		<10	<10	108	10	104	
339958		<10	<10	141	<10	122	
339959		<10	<10	87	<10	84	
339960		<10	<10	135	20	122	
339961		<10	<10	96	<10	90	
339962		<10	<10	45	750	42	
339963		10	<10	124	80	114	2.22
339964		<10	<10	113	40	107	
339965		10	<10	104	50	89	
339966		10	<10	94	<10	85	
339967		<10	<10	99	20	98	
339968		<10	<10	146	10	85	
339969		<10	<10	107	40	85	
339970		<10	<10	19	20	8	1.400
339971		<10	<10	5	<10	6	
339972		<10	<10	23	<10	24	
339973		<10	<10	50	2980	45	
339974		<10	<10	67	80	60	
339975		<10	<10	20	430	18	
339976		<10	<10	19	120	16	1.630
339977		<10	<10	17	70	13	3.12
339978		<10	<10	97	110	90	1.035
339979		<10	<10	124	10	116	
339980		<10	<10	95	<10	89	
339981		NSS	NSS	NSS	NSS	NSS	
339982		<10	<10	25	<10	38	
339983		<10	<10	88	20	80	

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

ALS Canada Ltd.
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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 25-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18217443

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.

Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	LOG-24	SPL-22Y	WEI-21	

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31			

ALS Canada Ltd.

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

CERTIFICATE FA18217248

Project: HG Screens

This report is for 1 Reject sample submitted to our lab in Fairbanks, AK, USA on 3-SEP-2018.

The following have access to data associated with this certificate:

CARL HALE	CHUCK HAWLEY	

SAMPLE PREPARATION

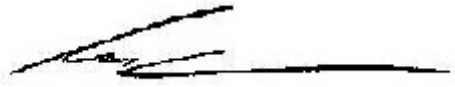
ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-32	Pulverize 1000g to 85% < 75 um
SCR-21	Screen1kg to 106 to 106um
SPL-22Y	Split Sample - Boyd Rotary Splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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

ALS Canada Ltd.
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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

Project: HG Screens

CERTIFICATE OF ANALYSIS FA18217248

Sample Description	Method Analyte Units LOD	Au-SCR21 Au Total ppm 0.05	Au-SCR21 Au (+) F ppm 0.05	Au-SCR21 Au (-) F ppm 0.05	Au-SCR21 Au (+) m mg 0.001	Au-SCR21 WT. + Fr g 0.01	Au-SCR21 WT. - Fr g 0.1	Au-AA25 Au ppm 0.01	Au-AA25D Au ppm 0.01
54525		<0.05	<0.05	<0.05	<0.001	34.18	970.8	0.01	0.01

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

ALS Canada Ltd.
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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

Project: HG Screens

CERTIFICATE OF ANALYSIS FA18217248

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:			
FND-03	PUL-32	SCR-21	SPL-22Y

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

Applies to Method:		
Au-AA25	Au-AA25D	Au-SCR21

ALS Canada Ltd.

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

CERTIFICATE FA18209464

Project: Herbert Gold

This report is for 35 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 24-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

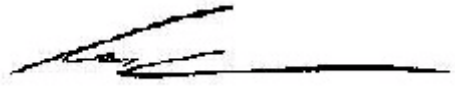
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209464

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
339913		2.63	0.049	<0.5	7.07	2540	1110	1.0	<2	3.65	<0.5	13	27	23	4.08	20
339914		2.46	0.083	<0.5	6.99	4290	1190	1.0	<2	3.52	<0.5	14	25	17	4.16	20
339915		2.46	0.113	<0.5	7.36	6620	900	1.4	<2	3.58	0.5	15	22	35	4.20	20
339916		2.07	0.343	<0.5	7.21	>10000	1130	1.1	2	4.13	<0.5	13	23	13	4.14	20
339917		2.43	0.004	<0.5	7.03	45	1190	1.0	<2	3.72	<0.5	13	23	24	4.08	20
339918		2.67	0.006	<0.5	7.30	127	1100	1.1	<2	4.16	<0.5	14	19	22	4.04	20
339919		2.17	0.006	<0.5	7.28	30	890	1.0	<2	5.01	<0.5	13	26	29	4.05	20
339920		2.52	3.72	0.9	7.73	9220	1100	1.1	<2	4.55	1.1	16	19	22	4.59	20
339921		2.38	0.095	<0.5	7.51	624	990	1.1	<2	3.85	<0.5	14	22	23	4.46	20
339922		0.85	0.026	<0.5	6.70	77	880	0.8	<2	3.12	<0.5	13	30	8	3.79	20
339923		0.07	1.065	<0.5	6.77	13	160	<0.5	<2	6.51	0.6	45	188	157	7.82	20
339924		1.33	0.643	1.7	7.13	1980	1140	1.3	<2	4.12	0.5	15	23	11	4.23	20
339925		2.89	0.165	<0.5	7.73	3120	1590	1.2	<2	3.53	<0.5	15	17	26	4.41	20
339926		2.56	0.121	<0.5	5.34	1940	750	0.7	<2	2.61	<0.5	11	35	11	2.98	10
339927		1.95	0.239	<0.5	2.61	1330	380	<0.5	<2	4.13	<0.5	4	49	6	1.52	10
339928		2.48	0.392	<0.5	7.22	379	1500	1.1	<2	4.14	0.5	13	23	12	4.30	20
339929		0.75	0.728	<0.5	7.33	3920	1580	1.0	2	3.87	<0.5	14	21	10	4.10	20
339930		2.42	1.145	0.6	7.21	9380	1420	1.0	<2	5.02	10.1	13	19	16	3.72	20
339931		2.48	0.006	<0.5	7.30	58	1240	1.0	<2	4.56	0.5	15	19	12	4.32	20
339932		2.39	0.219	<0.5	8.29	838	1350	1.2	<2	3.99	1.5	15	14	22	4.39	20
339933		1.41	0.001	<0.5	8.11	9	1170	1.2	2	4.85	<0.5	17	20	14	5.17	20
339934		2.64	1.325	<0.5	8.03	5170	1620	1.2	<2	3.98	0.6	15	17	17	4.53	20
339935		2.87	0.046	<0.5	7.46	270	1780	1.1	<2	4.18	0.5	15	15	24	4.34	20
339936		2.78	0.056	<0.5	7.65	240	1030	1.1	2	3.69	0.5	14	12	14	4.27	20
339937		2.79	0.055	<0.5	7.88	1220	840	1.1	<2	3.92	0.8	15	16	16	4.52	20
339938		3.41	0.124	<0.5	7.92	2090	1030	1.2	2	4.01	0.9	16	18	15	4.47	20
339939		2.38	<0.001	<0.5	7.52	41	1370	1.1	<2	4.17	0.5	15	19	12	4.69	20
339940		1.94	<0.001	<0.5	8.00	21	1020	1.1	<2	4.29	<0.5	15	19	9	4.94	20
339941		2.60	0.008	<0.5	7.38	36	880	1.1	<2	5.13	<0.5	15	14	10	4.40	20
339942		2.35	0.007	<0.5	7.81	678	760	1.1	<2	4.65	0.7	18	20	21	5.48	20
339943		0.07	3.03	0.7	6.40	29	200	<0.5	<2	5.74	0.7	40	270	149	6.84	20
339944		2.13	0.034	<0.5	7.54	693	910	1.0	<2	4.87	0.7	19	24	17	5.46	20
339945		1.21	0.330	<0.5	7.53	3730	890	1.1	<2	5.64	2.5	18	22	29	5.09	20
339946		1.94	0.018	<0.5	8.22	19	950	1.2	<2	4.76	0.5	19	21	17	5.28	20
339947		2.63	<0.001	<0.5	8.06	15	780	1.2	<2	5.08	0.6	17	19	17	5.07	20

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209464

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
339913		1.61	10	1.45	793	2	2.63	4	1050	12	0.43	<5	12	688	<20	0.41
339914		1.61	10	1.48	815	2	2.67	3	1050	14	0.38	<5	11	687	<20	0.42
339915		1.18	10	1.43	901	2	3.67	4	1090	18	0.67	<5	11	696	<20	0.42
339916		1.03	10	1.47	822	2	3.18	4	1130	32	0.73	<5	12	663	<20	0.38
339917		1.51	10	1.49	795	2	2.39	3	1080	12	0.16	<5	11	656	<20	0.42
339918		1.33	10	1.49	842	1	2.64	3	1080	12	0.20	<5	13	685	<20	0.41
339919		1.11	10	1.49	968	2	2.39	3	1030	13	0.20	<5	14	663	<20	0.39
339920		1.47	10	1.52	769	1	2.41	4	1180	39	0.57	<5	13	570	<20	0.43
339921		1.39	10	1.63	843	3	2.55	4	1190	12	0.19	<5	13	700	<20	0.45
339922		1.00	10	1.22	594	2	1.08	3	960	10	0.03	<5	11	375	<20	0.39
339923		0.23	<10	4.22	1360	1	2.09	110	440	8	0.21	<5	41	120	<20	0.62
339924		1.74	20	0.82	727	2	0.62	4	1040	76	0.36	<5	12	221	<20	0.41
339925		1.48	10	1.55	695	2	2.62	4	1280	14	0.45	<5	12	680	<20	0.42
339926		0.98	10	0.99	501	3	1.63	3	720	11	0.18	<5	9	398	<20	0.29
339927		0.45	10	0.43	713	4	0.78	1	340	15	0.16	<5	5	265	<20	0.13
339928		1.33	10	1.54	854	2	2.38	4	1130	29	0.09	<5	11	683	<20	0.45
339929		1.40	10	1.41	755	1	2.37	2	1030	15	0.31	<5	11	640	<20	0.41
339930		1.01	10	1.40	985	2	2.70	4	1000	264	0.58	<5	12	792	<20	0.36
339931		1.45	10	1.53	812	2	2.56	3	1100	14	0.03	<5	12	702	<20	0.45
339932		1.53	20	1.62	769	1	2.77	2	1170	12	0.24	<5	13	600	<20	0.45
339933		1.18	10	1.90	998	2	2.59	5	1340	18	0.02	<5	14	815	<20	0.52
339934		1.19	10	1.71	874	1	2.86	3	1180	15	0.44	<5	13	760	<20	0.46
339935		1.22	10	1.60	857	1	2.66	4	1130	16	0.10	<5	12	708	<20	0.45
339936		1.52	10	1.60	772	1	2.31	4	1110	13	0.13	<5	13	506	<20	0.44
339937		1.46	10	1.68	816	2	2.45	2	1210	15	0.19	<5	14	538	<20	0.46
339938		1.29	10	1.72	864	3	2.54	4	1190	19	0.23	<5	14	596	<20	0.47
339939		0.87	10	1.83	944	1	2.67	2	1230	17	0.01	<5	13	793	<20	0.47
339940		1.17	10	1.89	948	1	2.51	3	1240	15	0.02	<5	14	725	<20	0.48
339941		1.77	10	1.48	873	1	1.45	4	1150	10	0.06	<5	12	434	<20	0.44
339942		1.07	10	2.00	984	1	2.09	6	1410	15	0.14	<5	16	717	<20	0.52
339943		0.40	<10	4.33	1175	2	1.87	136	390	24	0.45	<5	35	109	<20	0.50
339944		1.39	20	1.86	1030	3	1.55	6	1400	13	0.11	<5	16	512	<20	0.54
339945		1.82	10	1.16	908	3	1.32	6	1370	15	0.39	7	16	398	<20	0.49
339946		1.18	10	1.97	1005	2	2.67	6	1370	15	0.05	<5	14	807	<20	0.53
339947		1.19	10	1.83	969	2	2.60	4	1330	14	0.03	<5	14	783	<20	0.51

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

ALS Canada Ltd.
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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209464

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
339913		<10	<10	102	20	99	
339914		<10	<10	104	<10	101	
339915		<10	<10	102	<10	98	
339916		<10	<10	107	490	95	1.285
339917		<10	<10	108	110	100	
339918		<10	<10	106	40	99	
339919		<10	<10	106	10	98	
339920		<10	<10	117	20	124	
339921		<10	<10	120	310	111	
339922		<10	<10	98	10	92	
339923		<10	<10	291	<10	93	
339924		<10	<10	108	30	140	
339925		<10	<10	115	20	111	
339926		<10	<10	73	10	72	
339927		<10	<10	37	1120	38	
339928		<10	<10	114	20	112	
339929		<10	<10	103	50	100	
339930		<10	<10	96	900	282	
339931		<10	<10	116	10	109	
339932		<10	<10	115	20	123	
339933		<10	<10	142	<10	125	
339934		<10	<10	120	30	113	
339935		<10	<10	115	10	113	
339936		<10	<10	113	10	108	
339937		<10	<10	123	10	115	
339938		<10	<10	128	10	108	
339939		<10	<10	128	<10	118	
339940		<10	<10	134	<10	121	
339941		<10	<10	119	10	106	
339942		<10	<10	148	10	136	
339943		<10	<10	245	<10	92	
339944		<10	<10	143	10	138	
339945		<10	<10	138	40	176	
339946		10	<10	140	<10	129	
339947		<10	<10	143	<10	124	

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VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209464

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	LOG-24	SPL-22Y	WEI-21	

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31	PUL-QC		

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

CERTIFICATE FA18209459

Project: Herbert Gold

This report is for 13 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 20-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

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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Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209459

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
54526		0.53	0.069	<0.5	4.90	114	70	0.7	<2	8.92	0.6	21	25	125	6.80	10
339896		1.36	0.016	<0.5	6.18	239	1070	0.9	<2	3.31	<0.5	15	30	24	3.41	10
339897		2.76	0.032	<0.5	6.61	317	1100	0.9	<2	3.22	<0.5	10	25	13	3.44	20
339898		2.06	1.530	<0.5	7.23	5190	1130	1.0	<2	3.95	0.9	13	19	10	4.18	20
339899		0.07	0.318	<0.5	7.20	8	200	0.6	<2	6.36	<0.5	45	180	111	7.91	20
339900		1.85	0.001	<0.5	7.36	17	1310	1.1	<2	4.31	0.5	14	20	12	4.45	20
339901		1.37	0.574	<0.5	7.56	>10000	1380	1.1	<2	3.68	<0.5	14	18	13	4.97	20
339907		2.28	0.047	<0.5	7.33	2560	1040	1.1	<2	3.90	0.8	14	20	22	4.21	20
339908		1.23	0.084	<0.5	6.88	4870	890	1.0	<2	3.54	0.5	12	21	15	3.77	20
339909		2.41	<0.001	<0.5	7.60	26	1030	1.1	<2	3.70	<0.5	14	20	8	4.28	20
339910		1.34	<0.001	<0.5	7.99	14	1210	1.2	<2	4.76	0.6	18	18	17	5.17	20
339911		2.75	<0.001	<0.5	7.31	7	1130	1.1	<2	4.08	0.5	14	18	11	4.32	20
339912		2.53	<0.001	<0.5	7.37	12	1220	1.1	<2	3.80	<0.5	14	18	17	4.24	20

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

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To: GRANDE PORTAGE RESOURCES LTD.
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VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209459

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
54526		1.11	10	1.22	1470	1	1.22	11	1330	9	4.50	13	16	699	<20	0.30
339896		1.22	10	1.12	554	1	1.40	4	820	6	0.16	<5	10	437	<20	0.33
339897		1.35	10	1.08	545	3	1.92	2	970	11	0.15	<5	10	329	<20	0.36
339898		1.10	10	1.47	795	2	2.27	3	1060	25	0.30	<5	12	516	<20	0.40
339899		0.41	10	4.23	1345	1	2.21	124	940	5	0.09	<5	33	275	<20	0.84
339900		1.30	10	1.55	849	1	2.45	3	1120	15	0.04	<5	11	646	<20	0.45
339901		1.28	10	1.52	788	2	2.57	2	1080	37	0.72	<5	11	614	<20	0.41
339907		1.10	10	1.51	763	1	2.31	4	1110	15	0.26	<5	11	639	<20	0.42
339908		1.11	10	1.23	653	1	2.03	4	960	10	0.31	<5	11	450	<20	0.35
339909		1.25	10	1.57	759	2	2.50	4	1100	14	0.04	<5	12	554	<20	0.43
339910		1.23	10	1.92	989	1	2.59	5	1350	14	0.02	<5	13	786	<20	0.53
339911		1.33	10	1.50	806	2	2.21	4	1110	13	0.04	<5	12	521	<20	0.44
339912		1.39	10	1.44	795	1	2.35	4	1100	9	0.05	<5	11	479	<20	0.45

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209459

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
54526		10	<10	189	<10	82	
339896		<10	<10	83	<10	79	
339897		<10	<10	90	60	82	
339898		<10	<10	104	20	103	
339899		<10	<10	237	<10	102	
339900		<10	<10	116	20	108	
339901		<10	<10	109	10	102	1.485
339907		<10	<10	110	30	112	
339908		<10	<10	95	30	94	
339909		<10	<10	111	10	107	
339910		<10	<10	140	<10	127	
339911		<10	<10	110	10	104	
339912		<10	<10	110	10	103	

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 18-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209459

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	LOG-24	SPL-22Y	WEI-21	

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31			

ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-SEP-2018
Account: PORCES

CERTIFICATE FA18209441

Project: Herbert Gold

This report is for 5 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 20-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SCR-21	Screen1kg to 106 to 106um
CRU-QC	Crushing QC Test
PUL-32	Pulverize 1000g to 85% < 75 um
PUL-QC	Pulverizing QC Test
WEI-21	Received Sample Weight
SPL-22Y	Split Sample - Boyd Rotary Splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209441

Sample Description	Method	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-AA25	Au-AA25D	Au-ICP21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au	Au	Ag	Al	As	Ba	Be	Bi
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01	0.001	0.5	0.01	5	10	0.5	2
339902		1.43	3.50	1.29	0.196	55.95	824.0	1.32	1.26	1.255	3.0	7.33	3150	760	1.1	<2
339903		0.06	0.07	0.06	0.003	41.16	978.8	0.05	0.06	0.051	1.0	7.26	100	660	1.1	<2
339904		0.83	0.77	0.84	0.041	52.93	907.1	0.84	0.83	0.777	3.0	3.71	8190	730	0.5	<2
339905		0.51	0.69	0.50	0.034	49.10	710.9	0.50	0.49	0.490	1.2	4.44	>10000	560	0.7	2
339906		0.11	0.09	0.11	0.004	46.90	903.1	0.11	0.11	0.111	<0.5	5.45	4800	760	0.7	<2

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

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209441

Sample Description	Method	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	ME-ICP61
	Analyte	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1	10
339902		4.35	0.9	13	22	14	4.13	20	1.94	10	1.43	709	2	1.46	3	1010
339903		3.95	0.9	15	20	27	3.55	20	2.40	10	1.24	620	1	1.58	4	1150
339904		3.32	1.1	10	40	12	2.79	10	0.96	10	0.86	527	7	0.91	5	450
339905		4.53	0.9	10	25	6	3.41	10	1.10	10	1.18	675	2	0.87	4	610
339906		2.75	0.9	9	40	17	3.17	10	1.24	10	0.90	566	3	1.09	5	760

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209441

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	WEI-21
	Analyte	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Recvd Wt.
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	kg
	LOD	2	0.01	5	1	1	20	0.01	10	10	1	10	2	0.02
339902		24	0.33	7	12	382	<20	0.39	10	<10	103	40	86	1.90
339903		9	0.18	<5	12	292	<20	0.44	10	<10	112	70	63	2.61
339904		25	1.15	<5	6	204	<20	0.17	<10	<10	59	40	44	1.32
339905		15	0.94	<5	7	257	<20	0.21	<10	<10	80	50	28	1.35
339906		12	0.42	<5	9	219	<20	0.26	<10	<10	73	40	60	2.00

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18209441

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-QC	FND-03	PUL-32	PUL-QC
	SCR-21	SPL-22Y	WEI-21	

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

Applies to Method:				
	Au-AA25	Au-AA25D	Au-ICP21	Au-SCR21
	ME-ICP61			

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-SEP-2018
Account: PORCES

CERTIFICATE FA18209397

Project: HG Screens

This report is for 2 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 1-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE	CHUCK HAWLEY	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-QC	Pulverizing QC Test
WEI-21	Received Sample Weight
SCR-21	Screen1kg to 106 to 106um

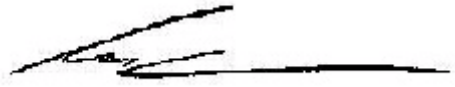
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-SCR21	Au Screen Fire Assay - 100 to 106 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	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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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-SEP-2018
Account: PORCES

Project: HG Screens

CERTIFICATE OF ANALYSIS FA18209397

Sample Description	Method	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-AA25	Au-AA25D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01	0.5	0.01	5	10	0.5	2	0.01
339836		27.8	126.5	22.0	4.426	34.94	595.1	20.7	23.3	4.5	7.14	6680	1170	1.0	3	4.21
339845		8.33	34.3	6.61	0.935	27.23	409.8	6.62	6.59	3.7	2.18	4230	420	<0.5	4	1.18

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-SEP-2018
Account: PORCES

Project: HG Screens

CERTIFICATE OF ANALYSIS FA18209397

Sample Description	Method	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	ME-ICP61
	Analyte	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.5	1	1	1	0.01	10	0.01	10	0.01	5	1	0.01	1	10	2
339836		1.6	12	25	11	4.38	20	1.29	10	1.25	655	2	2.00	3	890	329
339845		1.6	4	37	4	1.71	10	0.40	10	0.41	240	2	0.64	2	270	916

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-SEP-2018
Account: PORCES

Project: HG Screens

CERTIFICATE OF ANALYSIS FA18209397

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	WEI-21
	Analyte	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Recvd Wt.
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	kg
	LOD	0.01	5	1	1	20	0.01	10	10	1	10	2	0.02
339836		0.43	<5	10	529	<20	0.38	<10	<10	105	20	114	0.92
339845		0.25	<5	3	151	<20	0.11	<10	<10	31	40	55	0.70

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

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To: **GRANDE PORTAGE RESOURCES LTD.**
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VANCOUVER BC V6C 2T5

Finalized Date: 17-SEP-2018
Account: PORCES

Project: HG Screens

CERTIFICATE OF ANALYSIS FA18209397

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:	FND-03	PUL-32	PUL-QC	SCR-21
	SPL-22Y	WEI-21		

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

Applies to Method:	Au-AA25	Au-AA25D	Au-SCR21	ME-ICP61

ALS Canada Ltd.

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

CERTIFICATE FA18208469

Project: Herbert Gold

This report is for 29 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 1-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18208469

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
339826		1.87	0.016	<0.5	7.93	557	1150	1.1	<2	5.23	<0.5	14	20	10	4.43	20
339827		2.44	0.014	<0.5	8.42	31	1330	1.1	<2	4.70	<0.5	15	18	11	4.86	20
339828		2.49	<0.001	<0.5	8.32	5	920	1.1	7	5.01	<0.5	14	24	8	4.71	20
339829		2.61	<0.001	<0.5	7.13	8	1140	0.9	<2	3.84	<0.5	12	18	10	4.02	20
339830		2.34	0.001	<0.5	8.26	42	1610	1.1	<2	4.46	<0.5	17	19	12	4.89	20
339831		1.84	0.031	<0.5	7.97	1515	1510	1.1	<2	4.25	<0.5	16	20	19	4.68	20
339832		0.69	0.150	0.6	5.71	9410	750	0.7	2	3.01	<0.5	10	13	7	3.29	10
339833		1.94	0.005	<0.5	8.40	58	1500	1.2	<2	4.35	<0.5	15	16	13	4.87	20
339834		1.59	<0.001	<0.5	8.28	17	1460	1.1	<2	4.50	<0.5	15	17	48	4.69	20
339835		2.32	0.001	<0.5	8.23	23	1820	1.1	4	4.40	<0.5	14	17	11	4.81	20
339837		1.01	<0.001	<0.5	8.66	9	940	1.2	<2	5.07	<0.5	15	16	16	5.17	20
339838		1.83	<0.001	<0.5	8.07	<5	1730	1.1	<2	4.61	<0.5	15	16	25	4.79	20
339839		1.03	0.039	<0.5	7.80	46	980	1.1	3	5.65	<0.5	14	15	10	4.39	20
339840		1.64	0.140	<0.5	8.03	1225	1590	1.1	<2	4.47	<0.5	15	15	15	4.55	20
339841		1.81	0.104	<0.5	8.02	1105	1680	1.1	4	4.45	<0.5	14	16	23	4.64	20
339842		1.28	0.501	<0.5	7.03	1765	1300	0.9	<2	3.84	<0.5	12	18	12	3.83	20
339843		2.43	0.006	<0.5	8.05	35	1700	1.1	<2	4.59	<0.5	15	19	18	4.91	20
339844		1.97	0.336	<0.5	7.79	1955	1570	1.0	<2	4.41	<0.5	14	15	14	4.63	20
339846		0.07	1.040	<0.5	7.02	11	160	<0.5	<2	6.92	0.5	44	196	157	8.15	20
339847		2.22	0.003	<0.5	7.71	261	1680	1.1	<2	4.51	<0.5	16	18	14	4.79	20
339848		1.05	0.062	0.6	7.61	729	1390	1.0	<2	4.74	<0.5	16	14	23	4.37	20
339849		1.17	<0.001	<0.5	7.89	13	1620	1.1	<2	4.69	<0.5	14	17	11	4.67	20
339850		2.58	<0.001	<0.5	7.58	10	1750	1.1	2	4.44	<0.5	15	15	10	4.64	20
339851		2.21	<0.001	<0.5	7.83	7	1870	1.1	5	4.59	<0.5	17	17	15	4.80	20
339852		0.95	0.109	<0.5	7.46	1945	1670	1.0	3	4.05	<0.5	12	18	11	4.33	20
339853		1.92	0.004	<0.5	8.01	464	1950	1.1	<2	4.51	<0.5	15	17	11	4.65	20
339854		1.60	0.002	<0.5	8.06	250	1430	1.1	<2	4.61	<0.5	15	20	16	4.83	20

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18208469

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
339826		1.68	10	1.26	798	1	2.12	4	1180	10	0.10	<5	13	526	<20	0.42
339827		1.04	10	1.80	852	<1	2.68	6	1280	10	0.05	<5	14	778	<20	0.46
339828		1.24	10	1.61	806	1	2.34	4	1270	12	0.02	6	14	664	<20	0.47
339829		1.10	20	1.46	753	<1	2.24	4	1060	10	0.05	<5	12	613	<20	0.41
339830		1.34	10	1.85	872	2	2.79	5	1260	13	0.10	<5	12	727	<20	0.50
339831		1.32	10	1.75	831	1	2.62	4	1230	21	0.24	<5	12	699	<20	0.47
339832		0.97	10	0.94	521	1	1.87	3	770	84	0.55	<5	8	357	<20	0.27
339833		1.36	10	1.77	852	<1	2.90	5	1220	12	0.12	<5	11	743	<20	0.48
339834		1.40	10	1.64	786	<1	2.59	6	1220	8	0.08	<5	12	671	<20	0.47
339835		1.29	10	1.79	859	<1	2.65	3	1230	13	0.03	<5	12	762	<20	0.48
339837		1.29	20	1.93	975	2	2.66	5	1350	17	0.03	8	15	795	<20	0.54
339838		1.23	10	1.70	840	1	2.79	5	1240	13	0.07	9	11	781	<20	0.49
339839		1.54	20	1.43	839	<1	1.79	4	1060	11	0.14	7	13	541	<20	0.42
339840		1.17	10	1.68	813	<1	2.71	5	1190	13	0.18	<5	11	748	<20	0.45
339841		1.37	10	1.70	835	<1	2.70	5	1180	11	0.21	7	12	733	<20	0.46
339842		1.05	10	1.40	663	1	2.18	5	990	23	0.20	5	11	588	<20	0.37
339843		1.29	10	1.80	892	<1	2.65	3	1240	10	0.13	<5	13	749	<20	0.50
339844		1.26	10	1.61	797	1	2.58	4	1170	17	0.20	<5	11	730	<20	0.44
339846		0.24	10	4.34	1360	1	2.19	109	440	8	0.21	<5	42	122	<20	0.63
339847		1.27	10	1.73	877	<1	2.60	5	1200	12	0.07	<5	12	716	<20	0.48
339848		1.17	10	1.46	813	1	2.28	4	1090	19	0.23	<5	11	591	<20	0.42
339849		1.25	10	1.53	813	1	2.52	4	1210	11	0.02	<5	12	737	<20	0.47
339850		1.22	10	1.61	832	2	2.60	4	1210	12	0.05	<5	11	702	<20	0.45
339851		1.21	10	1.72	873	<1	2.59	6	1230	15	0.06	<5	11	741	<20	0.49
339852		1.15	10	1.52	738	2	2.25	4	1090	31	0.18	5	11	640	<20	0.42
339853		1.24	10	1.67	814	1	2.69	6	1210	12	0.06	<5	11	751	<20	0.48
339854		1.23	10	1.76	878	1	2.60	6	1280	11	0.12	<5	14	742	<20	0.50

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18208469

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	10	10	1	10	2
339826		<10	<10	118	20	100
339827		<10	<10	126	<10	116
339828		<10	<10	122	10	108
339829		10	<10	103	<10	94
339830		<10	<10	132	<10	116
339831		<10	<10	122	10	111
339832		<10	<10	73	250	63
339833		<10	<10	131	10	115
339834		<10	<10	121	<10	111
339835		<10	<10	126	10	116
339837		10	<10	137	<10	122
339838		10	<10	126	<10	116
339839		<10	<10	111	10	104
339840		<10	<10	120	10	113
339841		<10	<10	122	80	113
339842		<10	<10	101	20	92
339843		<10	<10	129	10	118
339844		<10	<10	117	70	108
339846		<10	<10	295	<10	89
339847		<10	<10	124	20	119
339848		<10	<10	113	30	107
339849		<10	<10	122	<10	115
339850		<10	<10	121	<10	113
339851		<10	<10	127	<10	116
339852		10	<10	112	60	100
339853		<10	<10	125	<10	113
339854		<10	<10	123	20	117

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VANCOUVER BC V6C 2T5

Finalized Date: 11-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18208469

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	DRY-21	LOG-22	LOG-24
	PUL-31	SPL-22Y	WEI-21	

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

Applies to Method:			
	Au-ICP21	ME-ICP61	PUL-QC

ALS Canada Ltd.

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 14-SEP-2018
Account: PORCES

CERTIFICATE FA18199987

Project: Herbert Gold

This report is for 26 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 9-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE	IAN KLASSEN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

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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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 14-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18199987

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
339870		2.32	0.112	<0.5	7.20	4570	1060	1.1	4	4.32	<0.5	12	24	17	3.95	20
339871		1.29	0.002	<0.5	8.30	24	1010	1.0	3	5.25	<0.5	16	16	36	5.66	20
339872		2.43	0.068	<0.5	6.73	3990	960	1.0	3	4.10	<0.5	11	21	26	3.73	20
339873		2.35	0.075	<0.5	7.89	3200	1040	1.1	2	4.25	<0.5	12	23	19	4.41	20
339874		2.19	0.031	<0.5	7.78	1210	1210	1.1	2	4.12	<0.5	14	23	23	4.57	20
339875		2.08	0.119	<0.5	7.71	3900	1080	1.1	2	4.06	<0.5	14	21	17	4.57	20
339876		1.76	1.040	<0.5	8.78	>10000	1590	1.5	<2	3.87	<0.5	16	22	24	5.30	30
339877		1.33	0.141	<0.5	7.24	448	680	1.1	2	4.70	<0.5	14	26	6	4.33	20
339878		2.63	0.002	<0.5	7.74	23	1480	1.0	<2	4.47	<0.5	13	24	10	4.45	20
339879		2.47	0.015	<0.5	6.98	201	1300	0.9	2	3.60	<0.5	16	43	21	3.83	20
339880		1.10	<0.001	<0.5	8.27	9	1080	1.1	<2	5.06	<0.5	17	22	16	5.31	20
339881		2.71	<0.001	<0.5	6.93	10	1260	0.9	3	3.60	<0.5	12	23	11	3.76	20
339882		1.95	0.264	1.6	6.58	2760	760	0.9	<2	4.57	0.6	12	19	23	3.52	20
339883		1.26	0.729	3.0	5.71	>10000	840	0.8	<2	4.12	1.3	11	15	29	3.46	10
339884		0.59	0.496	1.0	5.04	>10000	550	0.6	<2	4.97	0.9	9	11	5	3.38	10
339885		1.50	1.000	1.6	5.45	>10000	690	0.7	<2	4.19	<0.5	12	21	5	3.58	10
339886		2.38	0.098	<0.5	7.42	1970	920	1.0	<2	5.19	1.3	15	15	22	4.46	20
339887		1.97	0.176	<0.5	7.03	6350	970	1.0	4	5.34	1.2	13	12	20	4.19	20
339888		1.14	4.86	0.9	7.08	>10000	1150	1.0	<2	4.81	2.7	16	13	19	4.21	20
339889		1.19	0.966	17.4	3.99	8930	500	0.5	23	3.75	1.1	6	17	4	1.70	10
339890		2.28	0.714	0.8	7.41	>10000	1050	1.0	<2	4.00	1.7	15	18	25	4.38	20
339891		1.72	0.366	<0.5	7.69	4040	990	1.1	<2	4.76	1.7	15	14	42	4.19	20
339892		1.45	0.251	<0.5	7.67	3220	1000	1.2	<2	5.05	1.2	13	15	20	4.17	20
339893		1.02	0.055	<0.5	7.41	457	600	1.0	<2	6.18	1.1	13	12	16	4.62	20
339894		1.20	0.269	0.6	7.56	3390	970	1.3	3	3.87	1.2	18	14	30	4.76	20
339895		1.23	0.104	<0.5	5.38	643	730	0.9	<2	5.94	0.7	11	26	9	3.60	10

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 14-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18199987

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
339870		1.39	10	1.43	830	<1	2.90	6	1000	54	0.36	<5	11	700	<20	0.40
339871		1.43	10	1.75	1050	3	2.80	4	1530	10	0.12	<5	13	798	<20	0.53
339872		1.39	10	1.35	810	1	2.81	5	920	15	0.48	<5	11	653	<20	0.37
339873		1.45	10	1.66	826	2	2.94	7	1160	11	0.34	<5	14	721	<20	0.46
339874		1.69	10	1.68	848	1	2.87	6	1160	11	0.26	<5	13	762	<20	0.47
339875		1.25	10	1.70	867	1	2.76	5	1190	13	0.34	<5	14	730	<20	0.46
339876		1.51	20	1.62	720	3	3.62	6	1260	15	0.94	<5	12	758	<20	0.48
339877		1.45	10	0.92	838	2	0.59	4	1060	8	0.39	<5	11	205	<20	0.43
339878		1.54	10	1.52	809	1	2.51	4	1100	11	0.02	<5	12	642	<20	0.44
339879		1.20	10	1.32	670	4	2.30	4	940	10	0.18	<5	10	625	<20	0.39
339880		1.15	10	1.96	950	2	2.66	7	1330	11	0.02	<5	16	783	<20	0.54
339881		1.19	10	1.31	653	2	2.18	4	910	8	0.05	<5	10	593	<20	0.37
339882		1.53	10	1.15	812	2	1.90	6	930	69	0.42	<5	11	446	<20	0.36
339883		1.33	10	1.24	760	1	2.12	5	950	92	1.01	<5	11	402	<20	0.35
339884		0.87	10	1.19	883	1	2.23	3	780	17	1.10	6	9	356	<20	0.28
339885		1.09	10	1.01	708	2	2.10	7	760	16	1.21	8	9	326	<20	0.29
339886		2.23	10	1.72	920	1	2.03	5	1160	7	0.34	<5	13	442	<20	0.45
339887		2.04	10	1.59	885	2	2.14	6	1060	9	0.61	<5	12	475	<20	0.38
339888		1.60	10	1.65	920	<1	2.84	8	1130	23	0.90	5	13	546	<20	0.41
339889		0.76	10	0.49	469	3	0.93	4	530	1180	0.51	<5	6	214	<20	0.18
339890		1.69	10	1.64	824	2	2.54	6	1110	28	0.78	<5	14	492	<20	0.41
339891		2.08	10	1.63	856	3	2.34	5	1130	11	0.40	<5	13	551	<20	0.44
339892		2.60	10	1.59	856	1	1.59	6	1090	28	0.37	8	13	473	<20	0.44
339893		2.12	20	1.99	1055	<1	1.85	6	1120	20	0.15	6	13	553	<20	0.42
339894		2.53	10	1.55	667	1	1.55	7	1250	21	0.41	<5	13	378	<20	0.52
339895		1.23	10	1.37	915	1	0.78	5	820	16	0.15	<5	11	310	<20	0.32

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 14-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18199987

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Tl	U	V	W	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOD	10	10	1	10	2	0.001
339870		<10	<10	99	220	91	
339871		<10	<10	124	<10	125	
339872		<10	<10	93	130	85	
339873		<10	<10	115	20	106	
339874		<10	<10	117	<10	110	
339875		<10	<10	118	20	110	
339876		10	<10	128	340	102	1.465
339877		<10	<10	108	20	102	
339878		<10	<10	112	10	104	
339879		<10	<10	90	10	86	
339880		10	<10	144	<10	120	
339881		<10	<10	92	90	87	
339882		10	<10	97	710	86	
339883		10	<10	93	130	76	1.720
339884		<10	<10	71	60	45	2.15
339885		<10	<10	67	50	23	2.45
339886		<10	<10	125	70	119	
339887		<10	<10	110	50	116	
339888		<10	<10	117	140	133	1.615
339889		<10	<10	36	2850	39	
339890		<10	<10	117	280	107	1.185
339891		<10	<10	122	60	127	
339892		<10	<10	118	100	108	
339893		<10	<10	113	30	113	
339894		<10	<10	137	90	107	
339895		<10	<10	86	80	77	

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Finalized Date: 14-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18199987

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	SPL-22Y	WEI-21		

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

Applies to Method:				
	As-OG62	Au-ICP21	ME-ICP61	ME-OG62
	PUL-31	PUL-QC		

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-SEP-2018
Account: PORCES

CERTIFICATE FA18190141

Project: Herbert Gold

This report is for 15 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 1-AUG-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18190141

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
339855		1.27	0.011	<0.5	7.70	26	860	1.1	<2	4.83	<0.5	15	15	24	4.49	20
339856		2.25	<0.001	<0.5	7.96	8	930	1.2	<2	4.73	0.5	16	16	15	4.84	20
339857		2.51	0.134	<0.5	7.63	1190	780	1.2	<2	4.45	<0.5	15	17	23	4.73	20
339858		2.51	<0.001	<0.5	7.76	7	820	1.1	<2	4.74	<0.5	15	17	14	4.55	20
339859		2.46	0.008	<0.5	7.88	274	1050	1.1	<2	4.09	<0.5	15	15	12	4.55	20
339860		1.20	<0.001	<0.5	5.54	<5	810	0.7	<2	2.76	<0.5	9	24	1	2.91	10
339861		1.00	0.145	<0.5	7.38	1115	960	1.0	<2	4.73	0.6	16	17	12	5.25	20
339862		2.47	0.167	<0.5	7.84	2000	1170	1.1	<2	4.65	0.5	15	13	27	4.98	20
339863		2.53	0.058	<0.5	7.48	836	1010	1.1	3	4.22	<0.5	13	14	18	4.35	20
339864		0.07	7.47	1.1	5.97	33	310	0.8	2	2.84	0.5	39	326	115	5.51	20
339865		1.80	0.002	<0.5	7.79	9	850	1.1	<2	4.39	0.5	16	13	11	4.68	20
339866		1.97	<0.001	<0.5	7.51	<5	970	1.1	<2	4.51	0.5	16	15	14	4.82	20
339867		1.47	0.047	<0.5	7.08	152	910	1.1	<2	4.30	<0.5	18	15	15	5.16	20
339868		2.63	0.010	<0.5	7.46	591	850	1.1	<2	4.08	<0.5	13	16	11	4.48	20
339869		2.16	0.304	<0.5	7.16	17	900	1.1	<2	4.25	<0.5	12	17	3	3.94	20

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18190141

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
339855		1.28	10	1.46	759	<1	2.45	5	1150	11	0.03	<5	13	647	<20	0.46
339856		1.20	10	1.68	868	<1	2.59	5	1230	13	0.02	<5	14	748	<20	0.47
339857		1.00	10	1.69	856	<1	2.63	4	1220	14	0.17	<5	13	727	<20	0.45
339858		1.20	10	1.63	840	1	2.47	5	1170	11	0.05	<5	13	650	<20	0.44
339859		1.25	10	1.65	797	<1	2.51	5	1150	11	0.05	<5	13	686	<20	0.45
339860		0.86	10	1.08	482	1	1.64	2	750	5	<0.01	<5	9	464	<20	0.31
339861		1.23	10	1.89	1045	1	2.39	5	1320	15	0.11	<5	15	618	<20	0.51
339862		1.27	10	1.79	973	1	2.55	5	1360	8	0.28	<5	13	711	<20	0.48
339863		1.13	10	1.68	874	1	2.74	5	1170	10	0.12	<5	13	699	<20	0.43
339864		1.04	10	3.91	728	6	1.19	250	1090	7	0.08	<5	19	272	<20	0.67
339865		1.02	10	1.72	868	<1	2.87	6	1200	13	0.02	<5	13	694	<20	0.47
339866		1.09	10	1.71	917	1	2.72	5	1240	14	0.01	<5	13	795	<20	0.47
339867		1.07	10	1.90	971	<1	2.38	6	1300	14	0.03	<5	15	688	<20	0.52
339868		1.19	10	1.53	825	1	2.50	5	1130	12	0.09	<5	12	637	<20	0.42
339869		1.26	10	1.32	762	<1	2.39	4	950	14	0.04	5	10	600	<20	0.38

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 9-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18190141

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	10	10	1	10	2
339855		<10	<10	120	<10	110
339856		<10	<10	126	<10	118
339857		<10	<10	123	10	111
339858		<10	<10	121	10	111
339859		<10	<10	120	<10	110
339860		<10	<10	75	<10	65
339861		<10	<10	137	10	124
339862		<10	<10	125	20	120
339863		<10	<10	121	20	108
339864		<10	<10	143	10	84
339865		<10	<10	123	<10	111
339866		<10	<10	126	<10	115
339867		<10	<10	141	160	123
339868		10	<10	115	<10	108
339869		<10	10	101	<10	96

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VANCOUVER BC V6C 2T5

Finalized Date: 9-SEP-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18190141

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:			
CRU-31	CRU-QC	LOG-22	LOG-24
SPL-22Y	WEI-21		

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

Applies to Method:		
Au-ICP21	ME-ICP61	PUL-31

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-AUG-2018
This copy reported on
30-AUG-2018
Account: PORCES

CERTIFICATE FA18178600

Project: Herbert Gold

This report is for 24 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 24-JUL-2018.

The following have access to data associated with this certificate:

CARL HALE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Ag-OG62	Ore Grade Ag - Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18178600

Sample Description	Method	WEI-21	Au-ICP21	Au-GRA21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.05	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
339802		4.18	0.008		<0.5	8.58	17	1330	1.1	<2	5.28	<0.5	19	25	38	5.51
339803		3.30	0.004		<0.5	8.38	12	850	1.1	<2	4.72	<0.5	19	25	10	5.53
339804		4.80	0.002		<0.5	8.05	18	670	1.1	<2	4.90	0.6	17	21	13	5.39
339805		4.18	0.003		<0.5	8.08	37	750	1.1	<2	4.53	0.6	17	25	5	5.25
339806		3.20	0.932		2.5	7.32	8130	1170	1.3	<2	5.07	5.5	16	19	15	4.45
339808		0.04	0.007		<0.5	0.21	60	40	<0.5	3	35.9	<0.5	<1	4	<1	0.17
339809		5.08	1.665		11.5	6.87	>10000	1260	1.1	<2	4.16	5.4	15	22	58	4.40
339810		5.28	1.015		2.7	7.29	8220	930	1.1	<2	4.92	1.6	16	19	25	4.65
339811		5.75	2.76		8.9	6.65	>10000	1150	1.0	<2	3.47	3.5	14	23	18	4.43
339812		5.75	1.600		2.4	7.19	>10000	1100	1.1	3	3.75	1.0	15	25	19	4.53
339813		0.06	0.330		<0.5	7.25	43	200	0.6	<2	6.60	0.5	45	185	111	8.12
339814		4.56	0.494		<0.5	8.06	2400	1060	1.1	<2	4.80	0.6	15	22	23	4.96
339815		4.98	1.050		0.6	7.77	7440	1070	1.1	<2	4.39	0.6	16	20	19	4.79
339816		5.33	1.005		9.6	7.10	>10000	1200	1.2	<2	4.44	4.7	16	20	35	4.50
339817		6.42	0.721		1.0	7.42	3350	1090	1.0	<2	4.58	1.1	14	21	23	4.40
339818		4.67	0.790		13.5	7.49	7050	1230	1.1	<2	4.48	3.5	15	18	33	4.27
339819		5.94	2.37		6.4	7.21	>10000	1520	1.0	<2	5.76	2.6	14	14	17	4.41
339820		5.02	1.910		3.4	7.85	>10000	1480	1.3	<2	5.13	2.3	15	15	25	4.19
339821		1.22	0.004		<0.5	8.67	55	1170	1.2	<2	5.31	0.6	14	19	10	5.27
339822		6.18	0.021		<0.5	7.80	77	920	1.0	<2	4.50	<0.5	15	18	8	4.87
339823		5.20	0.013		<0.5	8.17	111	890	1.1	<2	4.81	<0.5	16	17	8	4.59
339824		5.16	0.007		<0.5	8.16	17	1170	1.1	<2	5.02	0.5	16	22	4	5.15
339825		4.05	0.002		<0.5	8.73	24	1410	1.2	<2	4.94	0.5	16	21	6	5.17
54525		5.21	>10.0	283	>100	0.47	>10000	90	<0.5	<2	0.60	230	1	62	12	1.75

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18178600

Sample Description	Method	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	ME-ICP61
	Analyte	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
339802		20	1.08	10	2.07	1005	2	2.57	6	1450	17	0.04	<5	16	876	<20
339803		20	0.80	10	1.86	830	2	2.46	7	1420	22	0.02	<5	16	817	<20
339804		20	0.85	10	1.92	883	2	2.29	7	1380	26	0.10	<5	15	776	<20
339805		20	1.16	10	1.81	898	1	2.12	7	1390	13	0.05	<5	15	655	<20
339806		20	2.08	10	1.31	928	1	0.78	5	1270	75	0.75	<5	12	307	<20
339808		<10	0.05	<10	2.17	194	1	0.04	<1	70	<2	0.02	<5	1	363	<20
339809		20	2.38	10	1.54	893	1	1.92	6	1110	15	1.53	29	12	369	<20
339810		20	2.33	10	1.72	946	1	2.08	6	1220	12	0.68	8	13	489	<20
339811		20	2.12	10	1.33	745	2	1.88	5	1080	40	1.72	18	12	329	<20
339812		20	1.60	10	1.71	801	2	2.15	4	1190	19	0.81	8	14	507	<20
339813		20	0.42	10	4.31	1345	2	2.27	125	950	3	0.09	<5	33	280	<20
339814		20	1.67	10	1.93	922	2	2.25	4	1300	14	0.31	5	15	632	<20
339815		20	1.65	10	1.82	901	1	2.52	5	1250	15	0.55	8	13	591	<20
339816		20	2.44	10	1.68	891	2	2.12	4	1180	39	1.07	19	12	482	<20
339817		20	2.47	10	1.73	825	2	1.93	3	1150	13	0.45	<5	13	523	<20
339818		20	2.78	10	1.64	823	2	1.61	4	1140	23	0.93	19	13	432	<20
339819		20	2.39	10	1.93	919	1	1.78	1	1080	26	0.94	7	13	508	<20
339820		20	2.34	20	1.60	843	2	1.76	2	1170	15	0.82	8	14	552	<20
339821		20	1.28	10	1.98	964	2	2.71	4	1330	13	0.02	<5	17	821	<20
339822		20	1.11	10	1.81	830	3	2.27	4	1210	15	0.04	<5	14	640	<20
339823		20	0.85	10	1.73	785	2	2.56	3	1150	13	0.06	<5	14	706	<20
339824		20	1.07	10	1.98	839	2	2.42	5	1270	10	0.03	<5	15	725	<20
339825		20	1.21	10	1.99	878	1	2.62	6	1320	14	0.02	<5	16	822	<20
54525		<10	0.14	<10	0.18	155	2	0.05	<1	80	7760	1.18	11	1	42	<20

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 27-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18178600

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	As-OG62
	Analyte	Ti	Tl	U	V	W	Zn	Ag	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	10	1	10	2	1	0.001
339802		0.55	<10	<10	152	<10	129		
339803		0.54	10	<10	151	10	129		
339804		0.51	<10	<10	143	20	114		
339805		0.52	<10	<10	146	20	114		
339806		0.45	<10	<10	133	40	185		
339808		0.02	<10	<10	5	<10	12		
339809		0.42	<10	<10	121	60	152		2.19
339810		0.45	<10	<10	130	50	104		
339811		0.37	<10	<10	107	50	127		3.09
339812		0.42	<10	<10	124	60	107		1.275
339813		0.86	<10	<10	242	<10	100		
339814		0.49	<10	<10	137	20	120		
339815		0.47	<10	<10	134	20	114		
339816		0.44	<10	<10	127	30	179		1.095
339817		0.42	<10	<10	121	220	104		
339818		0.42	<10	<10	123	30	136		
339819		0.40	<10	<10	114	30	113		1.390
339820		0.44	10	<10	122	30	111		1.105
339821		0.51	<10	<10	147	<10	122		
339822		0.46	<10	<10	133	<10	103		
339823		0.44	10	<10	125	10	100		
339824		0.50	<10	<10	141	<10	99		
339825		0.50	<10	<10	145	<10	106		
54525		0.02	<10	<10	15	<10	5490	224	1.090

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

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VANCOUVER BC V6C 2T5

Finalized Date: 27-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18178600

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	CRU-QC	DRY-21	LOG-22
	LOG-24	SPL-22Y	WEI-21	

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

Applies to Method:				
	Ag-OG62	As-OG62	Au-GRA21	Au-ICP21
	ME-ICP61	ME-OG62	PUL-31	PUL-QC

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-AUG-2018
This copy reported on
23-AUG-2018
Account: PORCES

CERTIFICATE FA18176154

Project: Herbert Gold

This report is for 24 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 20-JUL-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 17-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176154

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
339772		4.75	0.984	<0.5	8.30	44	1080	1.1	<2	4.89	1.0	17	23	16	5.13	20
339779		4.87	0.267	<0.5	7.88	321	1160	1.0	<2	4.55	1.2	16	21	20	4.77	20
339780		4.44	0.135	<0.5	8.10	164	1020	1.0	<2	4.61	<0.5	16	21	14	4.92	20
339781		5.05	0.002	<0.5	8.32	24	1120	1.1	<2	4.88	<0.5	17	21	9	5.16	20
339782		0.66	<0.001	<0.5	0.14	<5	20	<0.5	<2	34.6	<0.5	<1	3	1	0.12	<10
339783		5.54	0.220	<0.5	7.78	32	1010	1.0	<2	4.34	<0.5	15	21	4	4.61	20
339784		5.16	0.016	<0.5	7.78	25	1230	1.0	<2	4.00	<0.5	17	24	8	4.47	20
339785		3.66	1.320	0.5	8.26	2310	1080	1.1	<2	3.80	0.5	18	19	22	5.10	20
339786		4.98	0.005	<0.5	8.29	58	1470	1.0	<2	4.39	<0.5	16	18	25	4.95	20
339787		6.12	0.160	<0.5	8.35	510	1440	1.1	<2	4.21	<0.5	16	16	26	4.89	20
339788		4.93	3.03	0.8	8.38	9500	1380	1.1	<2	5.61	0.7	17	18	29	5.08	20
339789		5.25	0.073	<0.5	8.95	218	1310	1.2	<2	4.78	<0.5	18	18	25	5.35	20
339790		5.56	0.162	<0.5	8.66	382	1400	1.1	<2	4.54	<0.5	18	19	18	5.23	20
339791		5.70	0.598	0.5	8.21	3430	1240	1.1	<2	4.38	0.9	16	18	31	4.64	20
339792		0.07	3.45	0.8	6.48	36	210	<0.5	<2	5.77	<0.5	41	309	145	6.82	10
339793		5.60	0.044	<0.5	8.61	1830	1170	1.2	<2	4.65	2.0	17	19	32	4.98	20
339794		4.60	0.004	<0.5	8.27	134	1130	1.0	<2	4.14	<0.5	17	19	17	4.81	20
339795		4.97	0.054	13.3	7.74	397	990	1.0	<2	4.31	2.8	17	17	1295	4.51	20
339796		4.31	0.010	<0.5	8.38	151	1020	1.1	<2	4.61	<0.5	18	19	37	5.15	20
339797		5.62	0.174	2.9	8.90	1810	910	1.2	2	5.52	1.1	24	20	381	6.94	20
339798		5.68	0.003	<0.5	8.51	55	1120	1.1	<2	4.67	<0.5	18	17	31	5.14	20
339799		5.24	0.026	<0.5	8.71	217	960	1.1	<2	4.86	<0.5	17	18	22	4.94	20
339800		5.22	0.142	0.6	8.22	1695	1070	1.1	<2	4.79	1.6	15	18	25	4.72	20
339801		6.86	0.180	6.0	8.13	5860	1130	1.1	2	4.87	7.4	15	17	42	4.27	20

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ALS Canada Ltd.
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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176154

Sample Description	Method	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	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
339772		0.95	10	1.89	976	1	2.57	8	1340	41	0.04	<5	15	808	<20	0.52
339779		1.03	10	1.78	893	1	2.27	7	1240	12	0.03	<5	15	664	<20	0.48
339780		1.03	10	1.86	907	1	2.26	6	1240	12	0.03	<5	15	636	<20	0.48
339781		0.86	10	1.95	947	1	2.59	6	1320	15	0.02	<5	16	806	<20	0.52
339782		0.05	<10	1.63	135	<1	0.02	<1	60	<2	0.04	<5	<1	297	<20	0.01
339783		0.90	10	1.75	916	<1	2.59	5	1130	8	0.01	<5	14	720	<20	0.50
339784		0.84	20	1.76	872	1	2.56	6	1130	9	0.01	5	14	732	<20	0.47
339785		1.26	10	1.91	875	<1	2.46	7	1300	14	0.08	<5	15	577	<20	0.50
339786		1.19	10	1.86	887	<1	2.53	6	1290	14	0.02	6	15	695	<20	0.50
339787		1.31	10	1.92	929	2	2.52	6	1300	12	0.12	5	15	710	<20	0.50
339788		1.36	20	1.89	1090	1	2.40	4	1260	19	0.61	6	16	704	<20	0.47
339789		0.96	10	1.99	1000	<1	2.82	5	1370	14	0.03	7	16	856	<20	0.54
339790		1.14	10	1.96	964	<1	2.67	7	1380	16	0.01	5	16	828	<20	0.53
339791		1.32	10	1.78	947	1	2.30	7	1230	10	0.19	<5	15	605	<20	0.47
339792		0.42	10	4.31	1150	3	1.86	142	380	20	0.47	<5	34	108	<20	0.50
339793		1.21	10	2.00	1005	1	2.63	6	1340	12	0.21	<5	16	708	<20	0.53
339794		1.09	10	1.83	892	1	2.51	7	1230	11	0.01	5	14	714	<20	0.48
339795		1.30	10	1.60	863	<1	2.15	6	1120	11	0.16	<5	13	528	<20	0.42
339796		1.09	10	1.91	1010	1	2.29	6	1320	15	0.01	<5	15	725	<20	0.52
339797		1.03	30	2.45	1300	<1	2.33	8	1650	13	0.36	<5	26	764	<20	0.50
339798		1.13	20	1.92	928	1	2.32	5	1330	16	0.04	6	16	738	<20	0.51
339799		1.36	20	1.76	833	<1	2.21	4	1300	13	0.07	<5	16	618	<20	0.49
339800		1.47	20	1.80	899	1	2.08	5	1230	11	0.27	7	14	599	<20	0.46
339801		2.08	20	1.71	931	1	2.02	5	1170	34	0.65	14	14	448	<20	0.45

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

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

To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 17-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176154

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	10	10	1	10	2
339772		<10	<10	142	<10	138
339779		<10	<10	135	10	120
339780		<10	<10	135	10	110
339781		<10	<10	147	<10	112
339782		<10	<10	3	<10	9
339783		<10	<10	132	<10	94
339784		<10	<10	126	<10	92
339785		<10	<10	145	30	112
339786		<10	<10	138	<10	110
339787		<10	<10	142	10	115
339788		<10	<10	137	30	106
339789		<10	<10	148	<10	120
339790		<10	<10	146	10	119
339791		<10	<10	136	90	108
339792		<10	<10	243	10	85
339793		<10	<10	145	30	138
339794		<10	<10	131	10	109
339795		<10	<10	118	20	138
339796		<10	<10	141	10	113
339797		<10	<10	191	10	150
339798		<10	<10	139	<10	112
339799		<10	<10	136	10	110
339800		<10	<10	124	20	124
339801		<10	<10	124	30	240

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Finalized Date: 17-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176154

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	DRY-21	LOG-22	LOG-24
	SPL-22Y	WEI-21		

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

Applies to Method:				
	Au-ICP21	ME-ICP61	PUL-31	PUL-QC

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SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 20-AUG-2018
This copy reported on
30-AUG-2018
Account: PORCES

CERTIFICATE FA18176157

Project: Herbert Gold

This report is for 6 Drill Core samples submitted to our lab in Fairbanks, AK, USA on 20-JUL-2018.

The following have access to data associated with this certificate:

CARL HALE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
As-OG62	Ore Grade As - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6C 2T5

Finalized Date: 20-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176157

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
339773		3.52	>10.0	25.1	11.8	6.99	8550	970	1.2	<2	4.77	29.9	15	17	15	4.53
339774		3.59	>10.0	29.2	11.7	0.96	>10000	220	<0.5	6	0.48	87.0	1	26	17	2.25
339775		2.86	>10.0	12.85	3.5	3.51	>10000	810	0.5	2	1.17	3.7	7	31	5	2.89
339776		4.22	2.61		1.7	4.19	>10000	770	0.7	2	2.38	0.9	6	10	8	2.73
339777		2.58	6.56		21.0	2.00	4270	380	<0.5	32	0.86	3.1	4	34	5	1.58
339778		2.25	5.83		3.2	4.80	6070	750	0.7	2	1.61	1.3	8	28	9	2.94

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VANCOUVER BC V6C 2T5

Finalized Date: 20-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176157

Sample Description	Method	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	ME-ICP61
	Analyte	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
339773		20	1.86	10	1.33	861	1	1.06	6	1130	1540	0.57	8	13	378	<20
339774		<10	0.23	<10	0.08	177	2	0.27	2	160	3670	0.97	<5	1	67	<20
339775		10	0.76	10	0.36	317	2	1.20	3	500	430	0.77	<5	6	249	<20
339776		10	0.73	10	0.64	548	2	1.80	2	500	246	0.76	<5	7	356	<20
339777		<10	0.31	<10	0.31	274	2	0.66	2	300	2710	0.14	<5	4	149	<20
339778		10	0.73	10	0.84	459	2	1.37	3	680	332	0.19	<5	9	334	<20

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To: GRANDE PORTAGE RESOURCES LTD.
SUITE 501-590 HOWE STREET
VANCOUVER BC V6C 2T5

Finalized Date: 20-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176157

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	As-OG62
	Analyte	Ti	Tl	U	V	W	Zn	As
	Units	%	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	10	1	10	2	0.001
339773		0.43	<10	<10	119	40	700	
339774		0.05	<10	<10	12	50	2120	1.880
339775		0.19	<10	<10	59	610	106	1.985
339776		0.16	<10	<10	58	730	49	1.705
339777		0.11	<10	<10	36	460	75	
339778		0.26	<10	<10	75	180	73	

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Finalized Date: 20-AUG-2018
Account: PORCES

Project: Herbert Gold

CERTIFICATE OF ANALYSIS FA18176157

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Fairbanks located at 1060 Bush Street, Fairbanks, AK, USA.

Applies to Method:				
	CRU-31	LOG-22	SPL-22Y	WEI-21

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

Applies to Method:				
	As-OG62	Au-GRA21	Au-ICP21	ME-ICP61
	ME-OG62	PUL-31	PUL-QC	