2017 Geochemical Report
on the

YELLOW Property

Yukon Territory

Claim Names	Grant Numbers
YELLOW 1 – 96	YC87802 – YC87897
YELLOW 109 - 110	YC88135 – YC88136
YELLOW 121 - 124	YC88147 – YC88150
YELLOW 131 - 194	YC88157 – YC88220

NTS Mapsheet: 115O/04, 05

Latitude: **63.2800° N** Longitude: **-139.5700° W**

Dawson Mining District

Work Performed between:
22-24 September 2017

Prepared For:
White Gold Corp
800-1199 West Hastings Street
Vancouver, BC, B6E 3T5

Prepared By:
GroundTruth Exploration Inc

Written By: Chad Cote
Date of Report: 10th January, 2018

Summary

During the 2017 field seasons, White Gold Corporation ("White Gold") contracted GroundTruth Exploration Inc. ("GroundTruth") to conduct a soil sample survey on the Yellow project. The surveys were completed on the 22-24 September 2017. Yellow is a grass roots gold (Au) exploration project in the White Gold District of Yukon, Canada.

The 2017 program consisted of 325 soil samples split between two grids with samples spaced 50 m along lines 100 m apart.

The 2017 field season identified 1 samples containing Au greater than 12 ppb, at 13.3 ppb.

Grid B should be expanded to the north and south, connecting the positive gold results from 2009 recce program, in order to examine gold potential of the magnetic high lineament interpreted as a thrust fault or dike.

The 23.0 ppb and 13.9 ppb gold-in-soil anomalies found in the 2009 recce program should be gridded to determine the surface extend and strength, and to test if these samples are controlled by any features identified in previous geophysical surveys.

Table of Contents

Table of Figures

Appendices

Introduction

During the 2017 field seasons, White Gold Corporation ("White Gold") contracted GroundTruth Exploration Inc. ("GroundTruth") to conduct a soil sample survey on the Yellow project. The surveys were completed on the 22-24 September 2017. Yellow is a grass roots gold (Au) exploration project that has been targeted due to its proximity and geologic similarities to both the Golde Saddle Deposit 15 km south, and the adjacent QV deposit also to the south.

This report describes the work completed in the 2017 field season, summarizes the results and offers some insight and direction moving forward. The cost of the 2017 program was $25,694.16.

Property Description and Location

The Yellow property is located just north of the Yukon River on Shamrock Creek, between the mouths of the White and Stewart Rivers in the Dawson Mining District, Yukon Territory, Canada. The property lies within the Dawson Range of west-central Yukon Territory on NTS Map sheets 115O/04, 05. Yellow is approximately 80 km south of Dawson City, YT (Figure 1). The claims are centered at 570300E/7017500N (Datum: NAD83, UTM zone 7N).

The Yellow property is in an unglaciated region of Canada's Boreal Cordillera ecozone. Due to its location in Canada's discontinuous permafrost zone, permafrost is distributed unevenly throughout the property, controlled primarily by elevation, slope, and aspect. The landscape is composed of the typical rolling, tree covered hills with some areas of recently burned areas. The center of the property is dominated by an unnamed, twin peak dome in the north central part of the property, with prominent ridges and creeks radiating out from here. Elevations on the property range from 426 to 1158 meters. The north facing slopes are covered in thick moss mats, black spruce, and alder thickets over ice rich permafrost. The east and west facing slopes are typically covered by birch, white spruce, black spruce, trembling aspen and shrubs, sporadically underlain by permafrost depending on localized conditions. Southern slopes are generally more sparsely vegetated with ground leaf cover and white spruce, aspen and birch forests, and seldom underlain by permafrost. Areas near creeks are thick with willows and alders, and generally surrounded by permafrost due to shady location at valley bottoms.

The area experiences typical climatic conditions for central Yukon Territory with short, warm and dry summers and cold winters. Temperatures range from 0˚C to -50˚C in the winter and 0˚C to +32˚C in the summer.

The 2017 program was supported from Dawson City. The soil samplers were camped closer to the property on the Thistle Creek Airstrip, and the project was accessed by helicopter from there.

Claim Information

The property consists of 166 Quartz claims covering 3,362 hectares of ground (Figure 2). All claims are 100% owned by Selene Holdings, which is a wholly owned subsidiary of White Gold Corp

See Appendix B for complete claim listing and expiry dates.

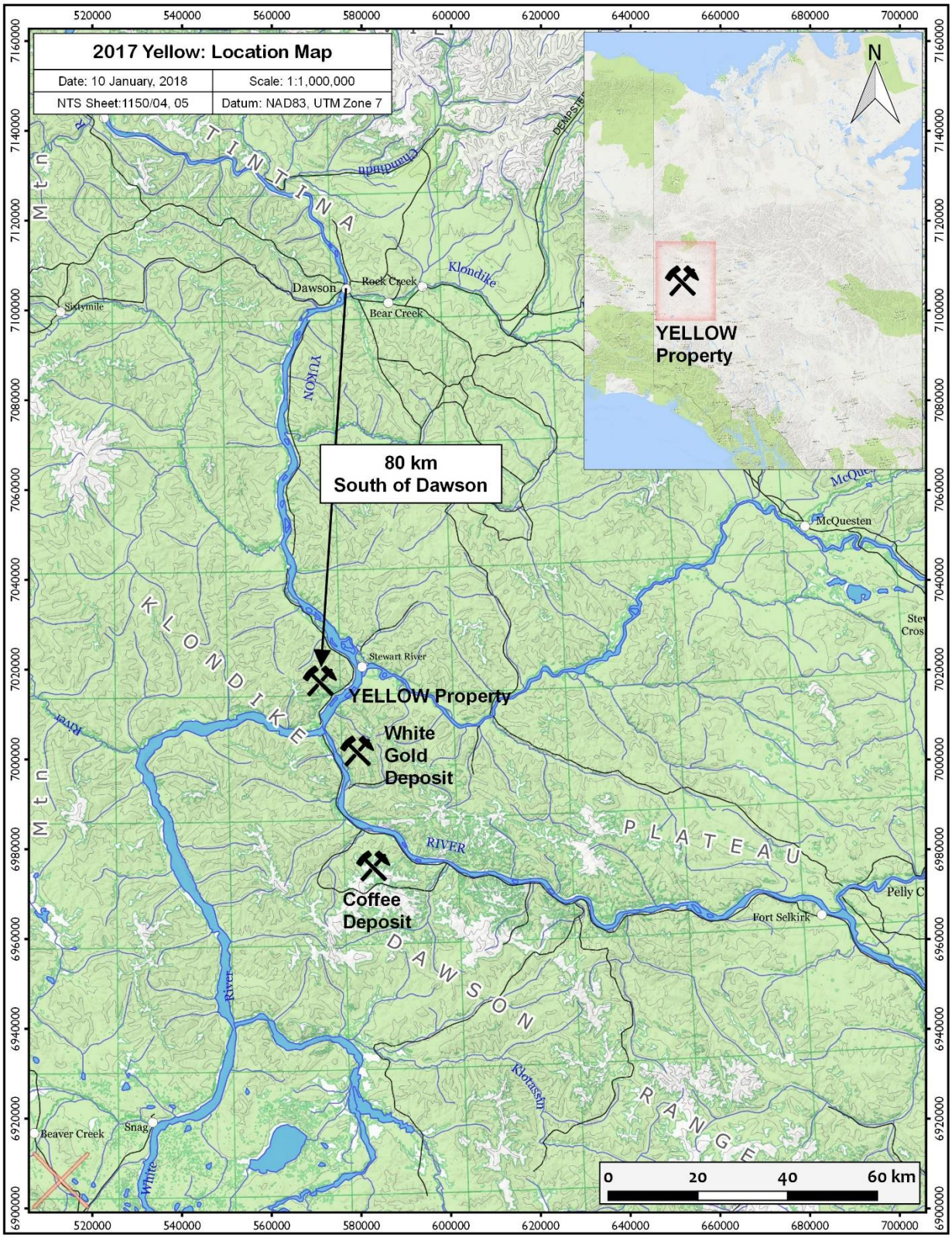

Figure 1: Yellow Location Map

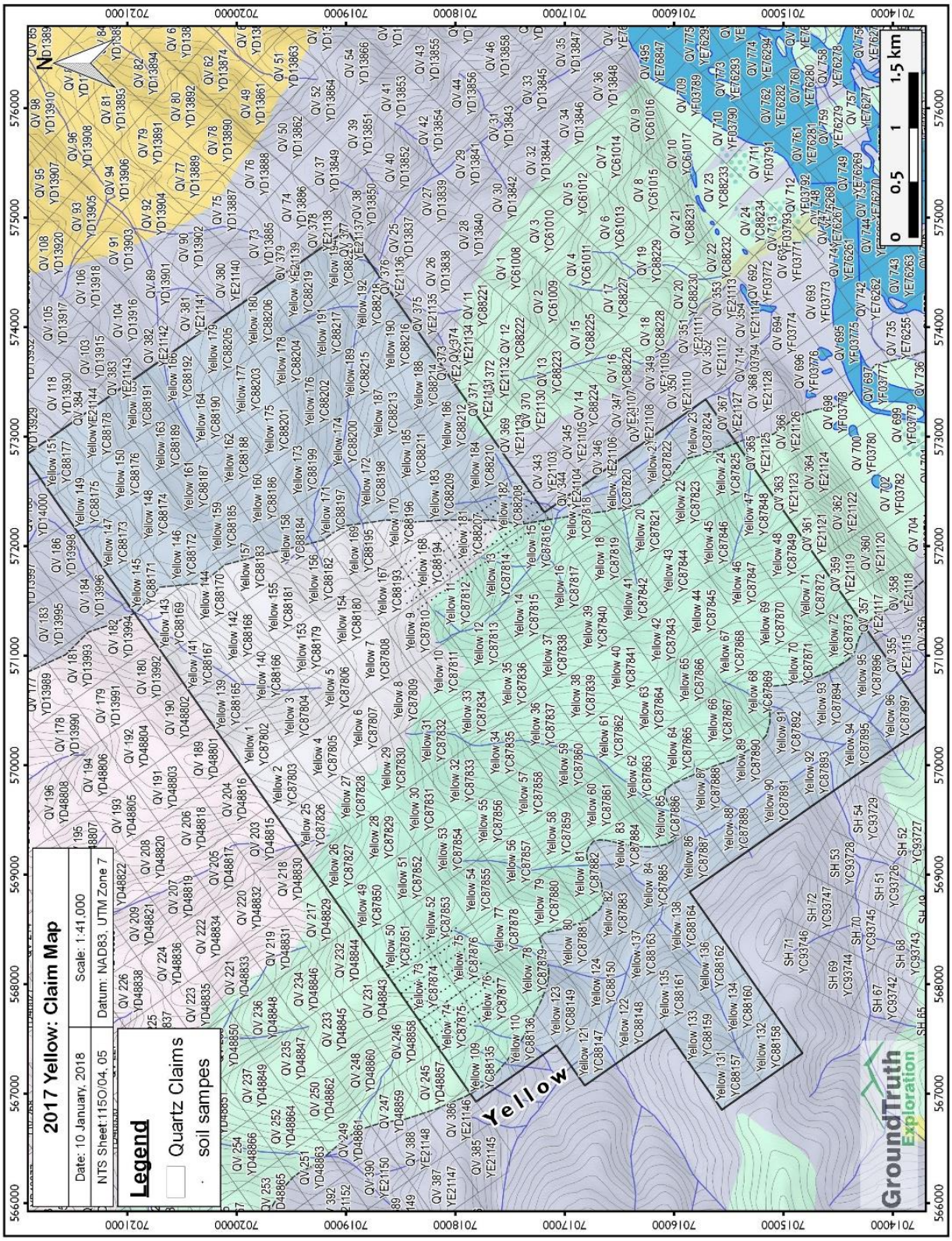

Figure 2: Yellow Claims

History

Historical work summarized from Bailey, 2012 as follows:

> "The earliest documented exploration work in the Yellow area occurred during the initial Klondike Gold Rush. During 1898 and 1900 claims were staked on Shamrock Creek, located in the south-western part of the property (Doherty and Ash, 2005). No recent historical exploration or placer mining is known to have occurred on the Yellow claims prior to the staking and soil sampling conducted by Underworld in 2009.
>
> The geology of the Yellow area was mapped by the Geological Survey of Canada as part of the Stewart River map area (Ryan and Gordey, 2005). This mapping describes the Yellow claims as comprising Devonian to Mississippian quartz-mica schist, amphibolite, and orthogneiss. Paleozoic ultramafic rocks and Jurassic and Cretaceous intrusive rocks are also mapped near the Yellow claims. Most of the lithologic contacts at Yellow were mapped as approximate or assumed by the Geological Survey of Canada mapping.
>
> The Yellow claims were staked by Underworld in 2009 because of their proximity to the White claims and the similarity of mapped rock units to those at White. Initial reconnaissance by Underworld in 2009 consisted of ridge-and-spur soil sampling, a small soil sampling grid, rock chip sampling, and some geologic mapping. This initial work resulted in a few samples containing minor gold-in-soil, but failed to produce a coherent anomaly or target.
>
> Underworld geologists mapped the Yellow area as consisting of metasediment, amphibolite, and felsic orthogneiss, with two small feldspar porphyry units mapped on ridges in the northern part of the claim block. Three zones of sericite-carbonate alteration are also indicated on the 2009 map. These altered zones broadly overlap with weakly anomalous gold values from the initial ridge-and-spur sampling. …
>
> Airborne magnetic and radiometric surveys were flown over the Yellow claim block as part of Kinross' 2010 airborne survey (Figure 4). The survey was flown by helicopter with 75 meter line spacing over the entire Yellow claim block. This survey highlighted several notable features, including: 1) a prominent narrow NNW-trending magnetic high, located very close to the feldspar porphyry units mapped in 2009; 2) a circular body approximately 500 meters diameter located in the north-central part of the property with a magnetic signature similar to that of Cretaceous Carmacks igneous rocks (seen at JP Ross and elsewhere in the Yukon); 3) a zone of highly anomalous potassium (and highly anomalous potassium/thorium) in the north-central part of the property that is approximately 1 by 3 kilometres in size; and 4) several linear magnetic features trending NNW and NE. These linear features are interpreted to represent faults."

Field work in 2011 included geological mapping, prospecting, rock chip sampling (9 samples), and stream sediment sampling (57 samples).

Kinross continued its soil program in 2013, collecting 207 soil samples over 12 lines in the southeast section of the claim block. This is a very coarse grid with samples spaced at 200 m and lines spaced at 400 m (figure 3).

In 2014, Kinross did a small infill grid in the north east corner of the property consisting of 160 samples spaced at 50m along 4 lines, 400 m apart (Figure 3).

The claims were sold by Kinross to Selene Holdings. in 2016.

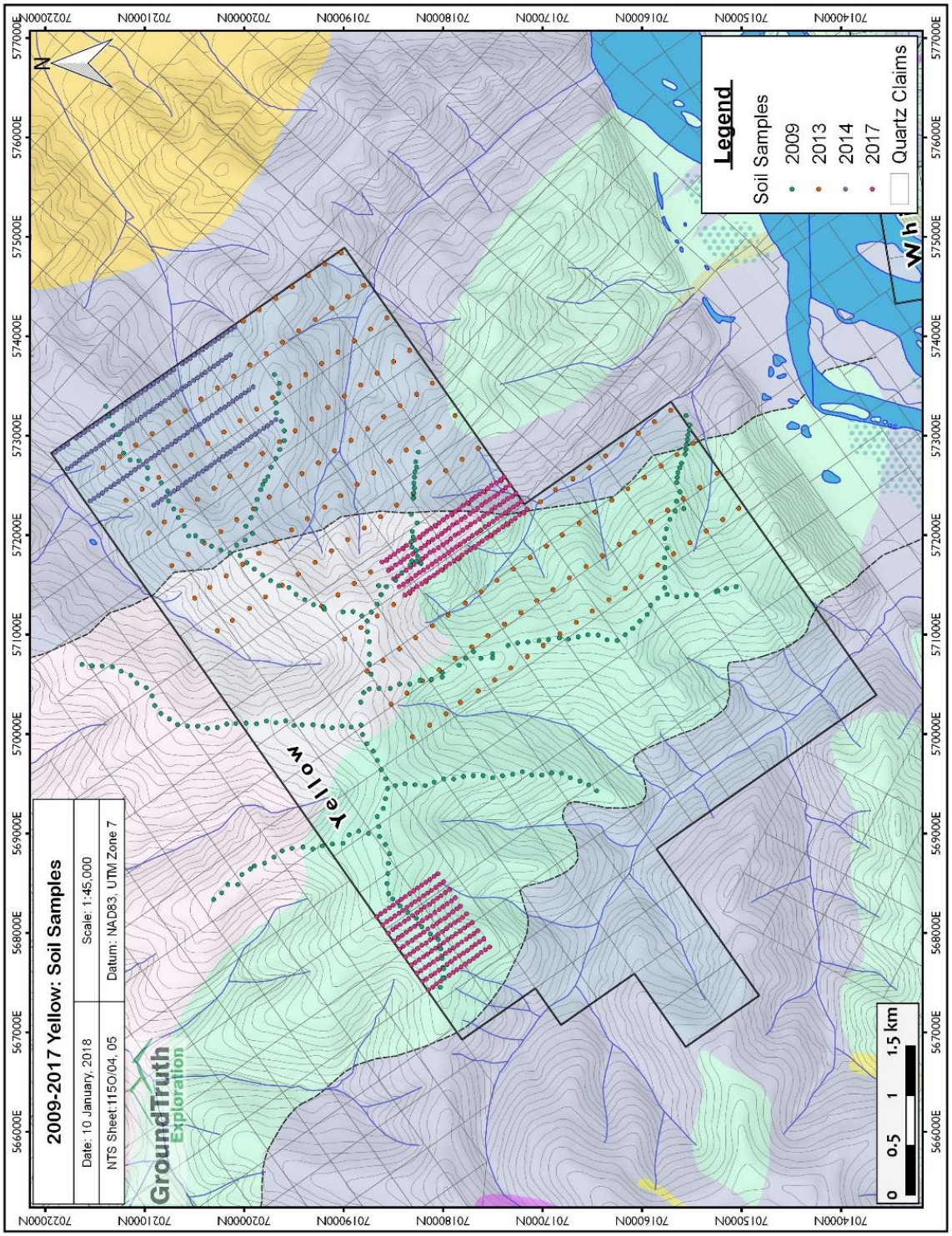

Figure 3: All historic soil samples

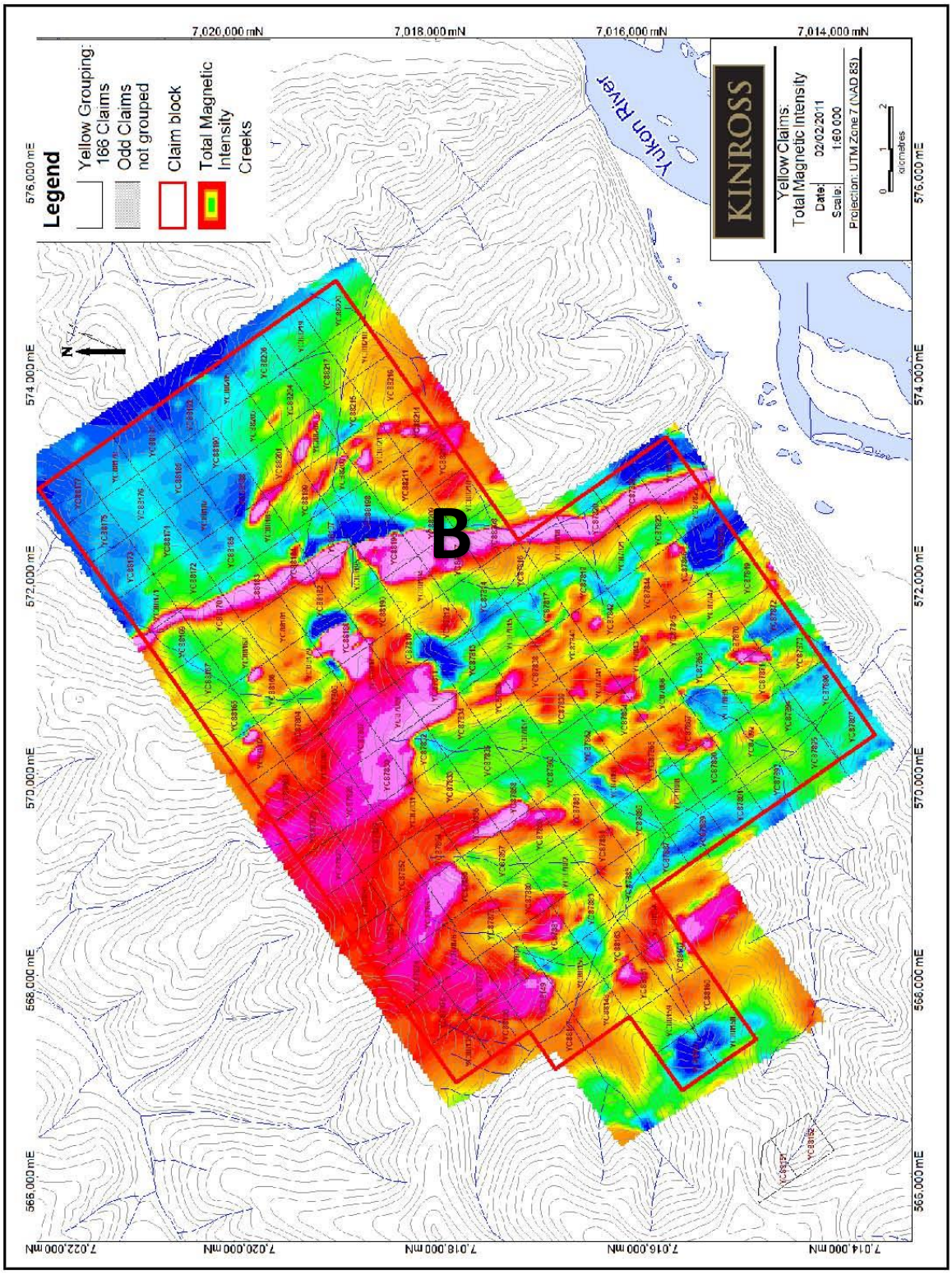

Figure 4: Final Total Magnetic Intensity (TMI) from 2010 airborne survey (Hollis, 2011)

Geology

Regional Geology

The project is located within the Yukon-Tanana terrane (YT) of the western Yukon and central Alaska (Figure 5). The YT is an accreted terrane of polymetamorphosed and polydeformed metasedimentary, metavolcanic, and metaplutonic rocks of Upper Paleozoic and older ages bound by the Tintina fault to the northeast and Denali fault to the south-west. Overall, it records a prolonged and complex history of tectonic and magmatic processes along the northwestern margin of Laurentia between middle Paleozoic and Early Tertiary time. It has an equally complex metallogenic evolution with at least 10 pulses of mineralization of various styles currently recognized (Nelson et al 2013, Allan et al 2013, Mortensen and Allan 2012).

The region underwent ductile (D1/D2) deformation associated with amphibolite facies metamorphism during the Late Permian Klondike orogeny. This event was associated with the accretion of the YT to Laurentia and associated closure of the Slide Mt Ocean and obduction of ophiolitic slices of the Slide Mt terrane.

The area underwent additional compression and ductile deformation (D3) associated with greenschist facies metamorphism during the Late Triassic-Early Jurassic. The event was associated with widespread thrust faulting and imbrication of the Slide Mt. terrane, and the emplacement of felsic to ultramafic intrusions. This transitioned into a period of regional uplift and exhumation and is associated with dominantly east-west oriented sinistral faults, localized north-northwest vergent folds, and high angle reverse faults (D4). This period of deformation spans the ductile to brittle transition and are associated, particularly the E-W sinistral faults, with 'orogenic' style gold mineralization throughout the White Gold district and Klondike.

Renewed northeast dipping subduction under the continental margin during the Late Cretaceous led to renewed magmatism across the YT, and is associated with felsic to intermediate intrusions of the Dawson Range batholith and felsic-mafic volcanic rocks of the Mount Nansen suite. The Early Cretaceous arc activity ceased around 99Ma; at which point it stepped farther inboard and is associated with intrusive suites in the Selwyn Basin (ie. Tombstone suite, etc.). This lull in magmatism was associated with the formation of the Indian River Formation, a coarse clastic sedimentary package deposited in an alluvial/fluvial to shallow marine setting that records approximately 40 million years of sedimentation following the formation of the Dawson Range Arc.

Arc style magmatic and volcanic activity renewed during the Late Cretaceous and is associated with a series of calc-alkaline plutons and high level porphyry dikes, plugs, and breccias in the Casino and Freegold areas, and age equivalent intrusions in eastern Alaska (79 – 72Ma). This event was also likely associated with the initiation of dextral offset along the Big Creek fault and reactivation of older Jurassic age structures in Dawson Range area. It is also associated with variable styles of mineralization ranging from Cu-Au-Mo porphyries (Casino), intrusion-related/epithermal occurrences (Sonora Gulch, Freegold area), and structurally controlled gold / 'orogenic' mineralization (Coffee, Boulevard, Moosehorn). At 72Ma there was a distinct change in magmatism with widespread bi-modal volcanism (Carmacks group) and the emplacement of small, high-level, felsic plugs and stocks (Prospector Mountain suite) throughout the YT. A

prominent set of northeast trending normal and sinistrally oblique faults are commonly associated with the intrusive and volcanic rocks of this event and are broadly coeval with magmatism.

A final magmatic event occurred during the Late Tertiary and is associated with the emplacement of bi-modal suite of predominately north-south trending dike swarms, plugs, and local pyroclastic rocks. Gabrielse et al 2006 suggests that the magmatic event was likely coeval with the early stages of dextral offset along the Tintina fault. (Gibson, 2014)

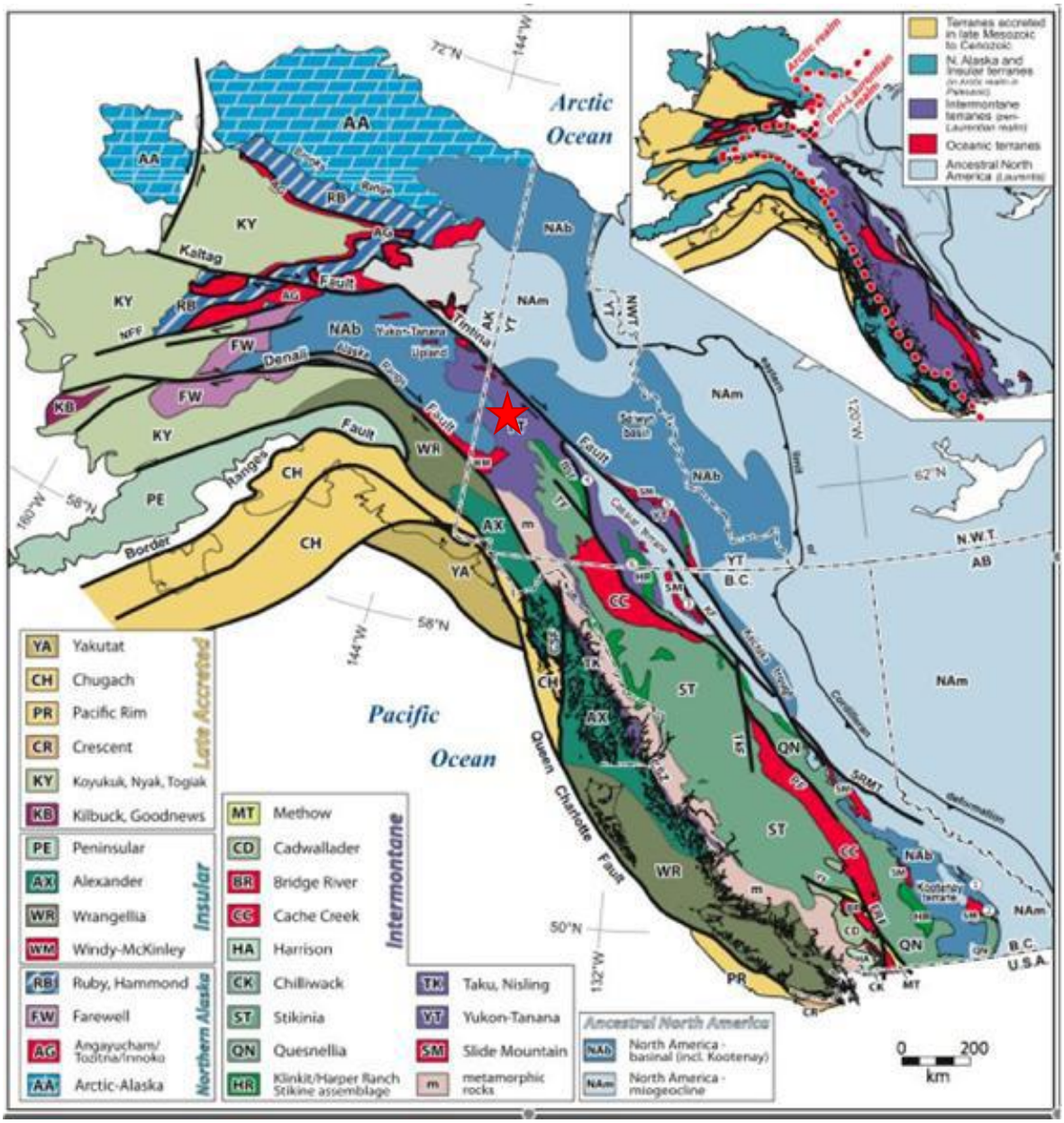

Figure 5: Terrane map of the northern Cordillera (modified from Nelson et al 2013). The red star is the approximate location of the Yellow property.

Property Geology

The most recent governmental geologic mapping in the area was performed by Yukon Geological Survey, Colpron et al (2016). The property is located within the Yukon-Tanana terrain and underlain by alternating bands of Snowcap and Finlayson rock suites in the western half of the property, and the Simpson Range Suite in the eastern half (Figure 6).

The DMF1 unit is part of the intermontane Finlayson suite of intermediate to mafic volcanic and volcaniclastic rocks such as amphibolite, bt-qtz schist, and mafic gneiss.

The PDSI unit is part of the intermontane metamorphic Snowcap assemblage characterized by siliciclastics such as quartzite, psammite, pelite and marble; minor greenstone and amphibolite.

The MgSR unit is part of the intermontane Finlayson suite of metamorphic rocks including Hbl-bearing metagranodiorite, metadiorite and metatonalite.

Kinross produced a revised geological map shown here in figure 7. “This geological map combines mapping by Ryan and Gordey in 2005, by Underworld in 2009, Kinross in 2011, and an interpretation of airborne geophysical data. Lithologic contacts in this revised map do not differ greatly from the previous geologic map by Underworld geologists. The airborne geophysical data was used with a relatively high degree of confidence because rock types were spot-checked in the field, and because the geophysical data has many similarities to the better-studied White property. Many of the geologic contacts and fault structures are based upon geophysical data and/or rock chips from float or dug out of the ground. Because of this, the majority of contacts should still be considered approximate or assumed. This geologic interpretation is overlain on an image of the total magnetic intensity” (Bailey, 2012)

Mineralization

This property was targeted due to its geological similarities and proximity to the Golden Saddle Deposit, 15km along structural trends to the south. The main commodity sought here is gold, however no significant zones of mineralization have been found to date.

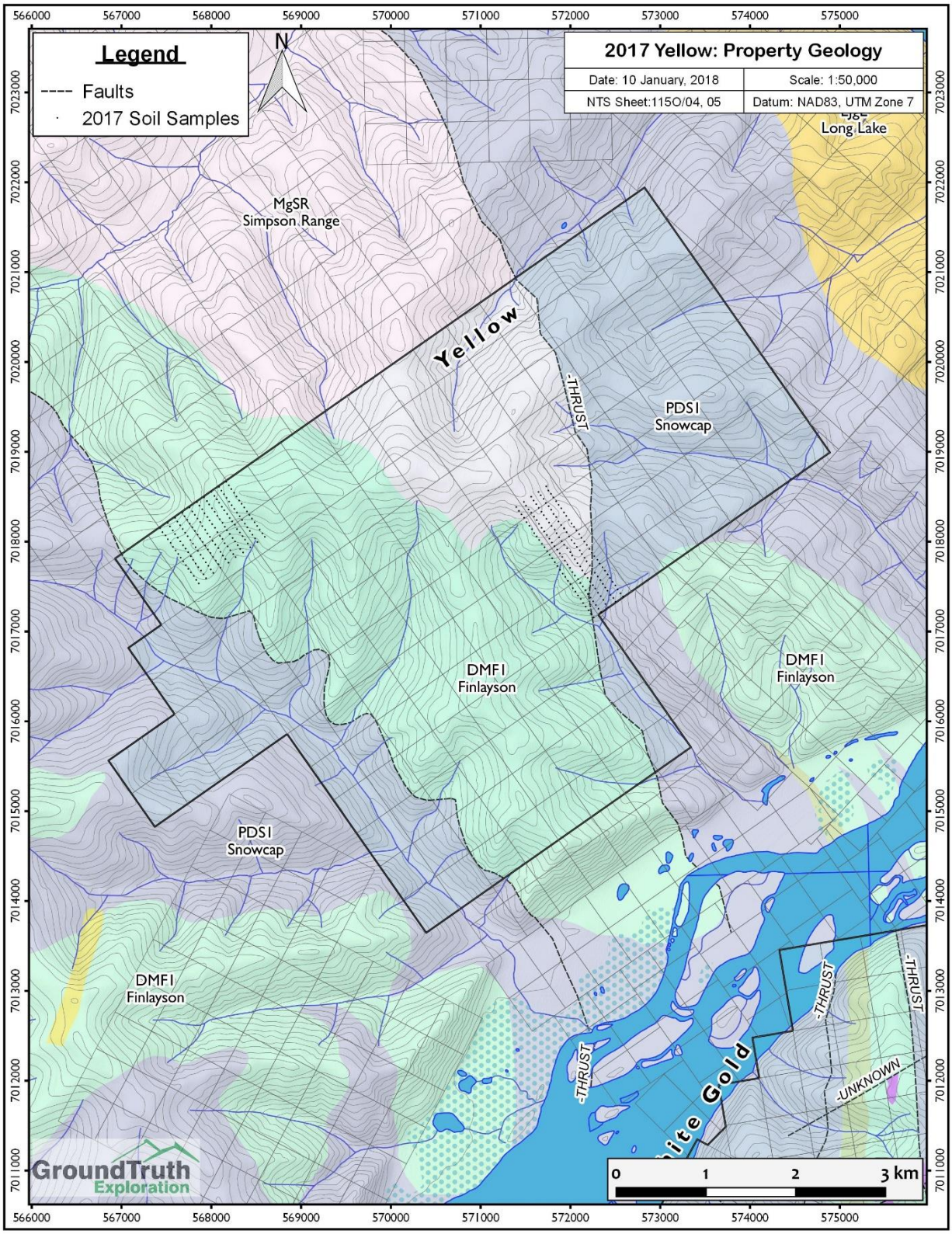

Figure 6: Yellow Property Geology (legend in Appendix D)

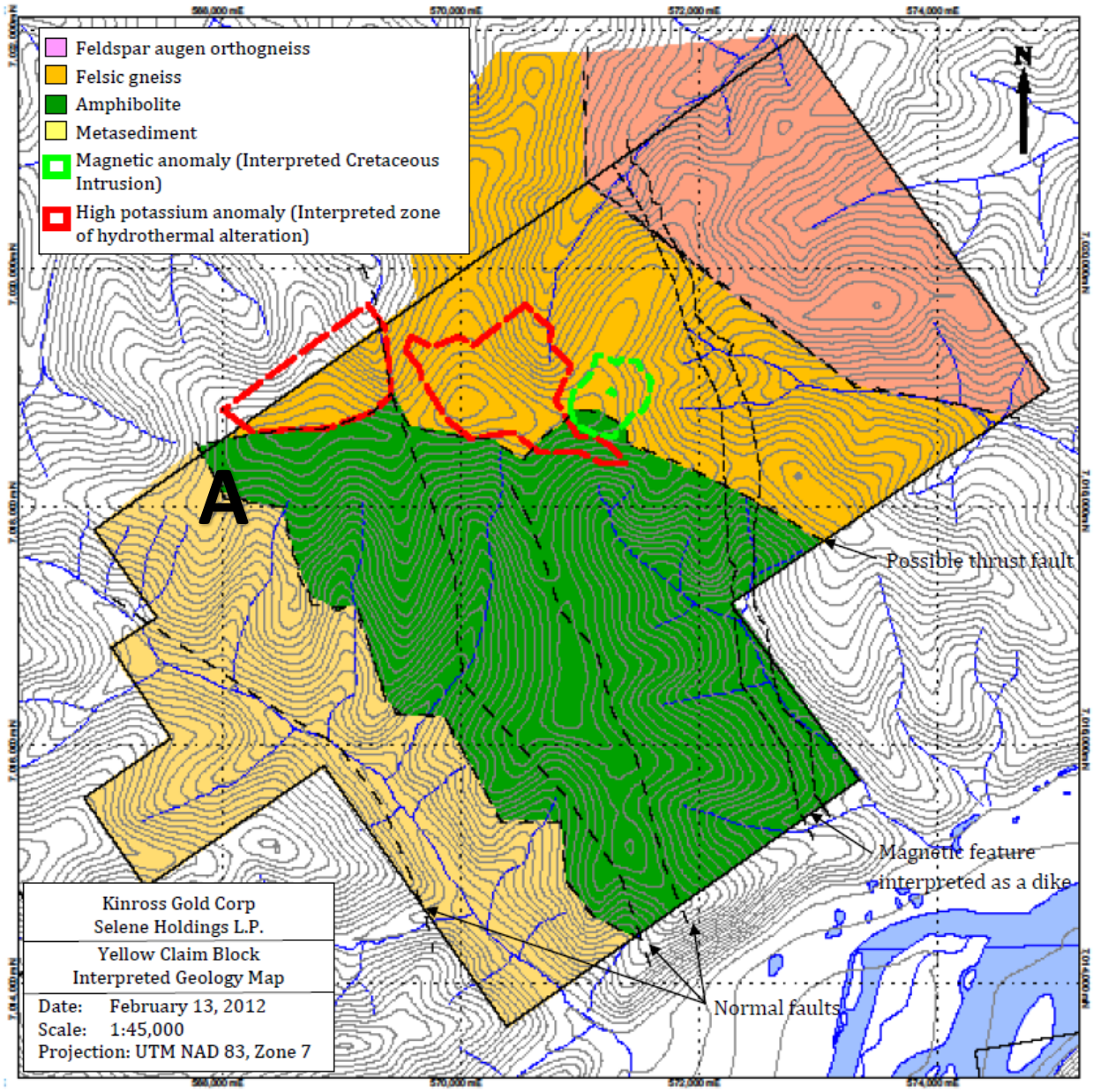

Figure 7: Interpreted geology from Kinross (Bailey, 2012)

Exploration Program and Results

Geochemical Survey: Soil Sampling

During the 2017 field seasons, White Gold Corporation ("White Gold") contracted GroundTruth Exploration Inc. ("GroundTruth") to conduct a soil sample survey on the Yellow project. The surveys were completed on the 22-24 September 2017. Yellow is a grass roots gold (Au) exploration project in the White Gold District of Yukon, Canada.

The 2017 program consisted of 325 soil samples split between two grids with samples spaced 50 m along lines 100 m apart. The northwest grid targeted the contact between the amphibolite and metasedimentary units interpreted by Underworld and Kinross, and indicated with an A in figures 7 and 8. The southcentral grid target the mag high lineament interpreted as a dike, and indicated with a B in figures 4 and 8.

Method and Approach

Soil surveys are typically conducted by crews of 5 samplers, one of which is the crew boss who oversees the survey. The Crew Boss is responsible for coordinating safe and efficient operation of survey and ensuring survey is conducted as planned. All samplers run solo traverses proximal to each other so that radio contact with other crew members can be maintained.

The following equipment is used for the completion of the survey:

Soil Auger/Mattock:	Eijklcamp hand auger and 5lb mattock
Handheld Datalogger:	Samsung S5: weatherproof handheld with barcode scanner
Camera:	Samsung S5: 16 megapixel camera
GPS units:	Garmin 76cx handheld GPS
Radios:	VHF Radio for helicopter communication
Processing:	Laptop computer
Software	Fulcrum App forms and database, Ozi Explorer for waypoint upload, QGIS Mapping Software.

Survey Procedure

The survey is completed in the field according to the following procedure:

All sampling traverses are pre-planned, with pre -specified sampling intervals, typically 50m for grid spacing and 100m for ridge and spur recce traverses. Field technicians navigate to sample site using handheld GPS units. The soil sampler arrives at each sample site, identifies the most appropriate location to collect the sample and lays out a sheet of plastic (12"x20" ore bag). The soil sample is taken using an Eijklcamp brand hand auger at a depth of between 20cm and 110cm. Samplers strive to consistently collect C-Horizon sample material. Where necessary (rocky or frozen ground) a prospector's pick ('mattock') is used to obtain the sample.

The soil is laid out on the sheet of plastic in the order it was recovered from the sample hole. Two Standardized photos are taken at each sample site- 1) Sample Location photo: across slope, 5m from sample hole with auger inserted and 2) Sample Profile photo: Close up of sample laid out on ore bag with barcode tag and Munsell color chart in photo.

The sampler places the necessary amount of soil (400-500 grams) from the bottom of the hole into a Kraft sample bag. The bag is labeled with the 3-letter project code. Three identical 7 Digit barcode ID tags are used to identify the sample: One is placed inside the bag, one is tied to the outside of the bag, and one is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape.

A field duplicate sample is taken once for every 25 samples. Both samples are given unique Sample identification number. The data for both samples is recorded and a note is made indicating the duplicate and its corresponding sample identification number. At client's discretion, standard reference material is inserted into the sample stream at an interval of 1:50.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number. A weather-proof handheld device equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected. This includes: sample identification number (scanned into device at sample site), soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information. As well, the GPS coordinates are entered into the handheld device as a secondary backup in case of GPS failure.

Data Processing

Each night in the field, the GPS, Handheld devices and cameras are downloaded to a laptop computer. The data is verified and mapped on a sampler-by-sampler basis in proprietary database auditing and mapping software by the crew boss. Photos are downloaded and reviewed by the supervisor to ensure quality samples and correct procedures are being followed.

In camp at the end of each day, the crew boss inspects all samples from each sampler for size and consistency as a quality check. Each sampler then repackages all samples for shipping-barcode scanning them as they are placed into a Yellow bag which is sealed with a barcoded security zip tie. Samples are shipped from the field to the lab on a daily basis when possible, and are tracked by the unique ID on each security seal.

The database is synchronized to the cloud hosted database each night, and photos are stored in the field to be uploaded upon return to the companies central server in Dawson City. In camps that do not have internet, a backup of the sample data is made, copied onto a USB memory stick and kept in a separate location from the laptop computer until job completion

Description of Assay Methods

The samples were prepared in Bureau Veritas facility in Whitehorse using the SS80 method. Samples are dried at 60 degrees Celsius and sieved such that up to 100 grams of material passes 180 microns (80 mesh). The prepared material was then shipped to Vancouver and analyzed by the AQ201+U method which involves dissolving 15 grams of material in a hot Aqua Regia solution and determining the concentration of 37 elements of the resulting analyte by the ICP-MS technique.

Soil sample descriptions are included digitally with this report, and analytical certificates are compiled in Appendix C.

Results

The 2017 field season identified 1 samples containing Au greater than 12 ppb. This sample is located in Grid B and contains 13.3 ppb Au (figure 8). All original tabular soil descriptions and assay results are included as a digital copy with this report.

The regional thresholds used in this report are derived from a comparison of over 100,000 soil samples within the region to determine the 50th, 75th, 90th, and 95th percentiles. This examination resulted in regionally significant thresholds of 12, 24, 48, and 60 ppb Au.

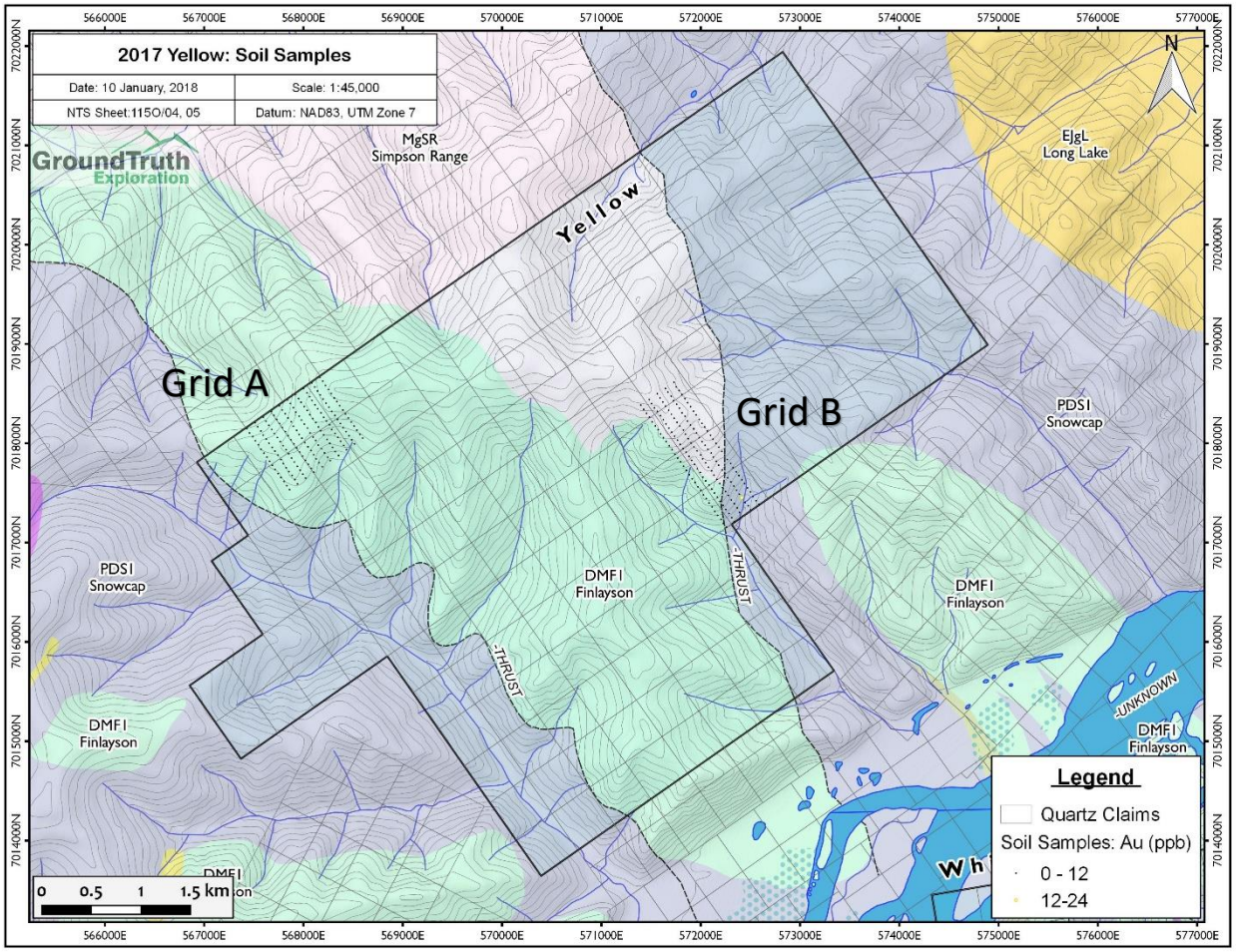

Figure 8: Gold in soil, regional scale used. Grids A and B used as reference in this report only.

Discussion and Interpretation

The Yellow samples to date have returned gold values of a low grade when compared to the regional thresholds identified above, however the sample density to date is very low, and the structural and geologic similarities with the Arc Deposit 15 km south remain very compelling to hold this property and continue follow up work.

Figure 9 shows the gold-in-soil results using percentile breaks from the Yellow property. This breakdown shows all samples greater than 4 ppb Au lie within the 90th percentile, which falls within our experience as worth following up on a reconnaissance sample.

Grid A shows some gold-in-soil elevation from the 2017 sampling, with the highest sample at 11.1 ppb. Grid B straddles either the interpreted thrust fault or dike depending on the source (Yukon Geological Society 2017, Bailey 2012). This grid shows minor elevated gold-in-soil anomalies on both sides of the interpreted thrust fault within a 300 m buffer. This is of particular interest, as it corresponds well with results from 2009, where the highest Au sample on the property (71.3 ppb) and the third highest at 18.4 ppb are both within 200 m of the same thrust fault to the north and south respectively. This is good evidence that this structural feature may be an important component of gold mineralization on the property.

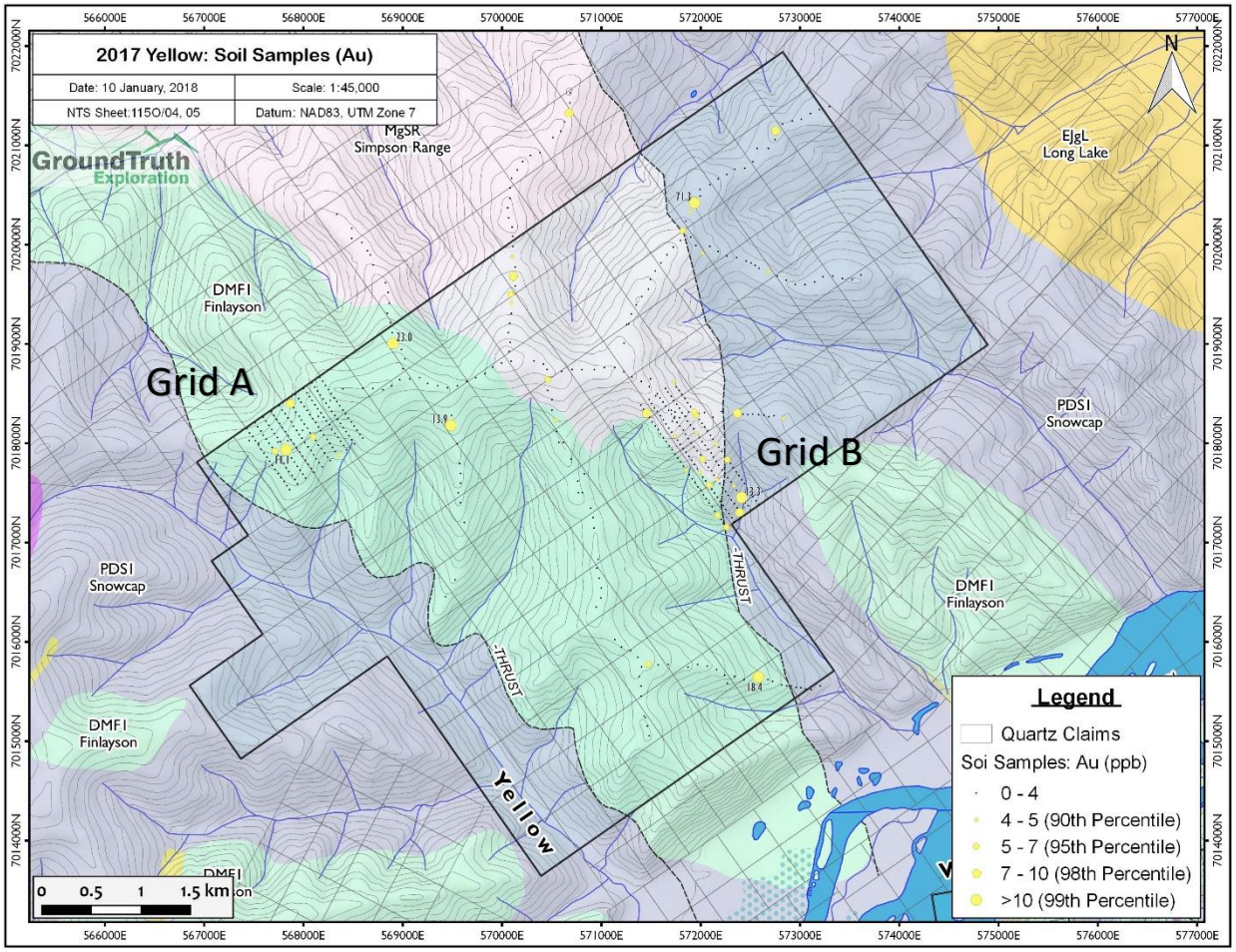

Figure 9: Gold in soil, project percentiles used.

Recommendations

Grid B should be expanded to the north and south, connecting the positive gold results from 2009 recce program, in order to examine gold potential of the magnetic high lineament interpreted as a thrust fault or dike.

The 23.0 ppb and 13.9 ppb gold-in-soil anomalies found in the 2009 recce program should be gridded to determine the surface extend and strength, and to test if these samples are controlled by any features identified in previous geophysical surveys.

Statement of Costs

Yellow - YEL 2017 Exploration Expense Summary White Gold Corp.		
GEOLOGIC MAPPING/PROJECT MANAGEMENT		
Geologist/Project Management	**Amount**	**Description**
Report Preparation - C.Cote	$ 900.00	12 hours at $75/hr
Geologist/Project Management	**$ 900.00**	
Management Fee (+10%)	*$ 90.00*	
Total Geologist/Project Management	**$ 990.00**	
GEOCHEMICAL SURVEYS		
Soil/Till Survey	**Amount**	**Description**
Per Soil Sample Charge @ $49.50/sample	$ 16,087.50	includes crew-camp-sample-assay
Soil Surveys	**$ 16,087.50**	
Management Fee (+10%)	*$ 1,608.75*	
Total Soil/Till Surveys	**$ 17,696.25**	
LOGISTICAL SUPPORT		
Helicopter	**Amount**	**Description**
ASTAR B2 and/or Jet Ranger (3hr minimum)	$ 4,326.00	
Fixed Wing		
Islander, 206, Skyvan, etc.	$ -	
Logistical Support	**$ 4,326.00**	
Management Fee (+8%)	*$ 346.08*	
Total Logistical Support	**$ 4,672.08**	
Total Project Budget Tracking	**$ 23,358.33**	
+ 10% Contingency	**$ 2,335.83**	
Total 2017 Yellow Expenditures	**$ 25,694.16**	

References

Regional Geology: Colpron, M., Israel, S., Murphy, D.C., Pigage, L.C., and Moynihan, D., 2016. Yukon Bedrock Geology Map. Yukon Geological Survey, Open File 2016-1

Mineral Titles: Yukon Mining Recorder, Mining Claims Database – www.yukonminingrecorder.ca

Topographic data: NR Canada, CanVec Topographic Database- www.geogratis.ca

Allan, M.A., Mortensen, J.K., Hart, C.J.R., Bailey, L.A., Sanchez, M.G., Ciolkiewicz, W., McKenzie, G.G., and Creaser, R.A., 2013. Magmatic and Metallogenic Framework of West-Central Yukon and Eastern Alaska. In Tectonics, Terranes, Metallogeny, and Discovery in the northern circum-Pacific region: Society of Economic Geologists, Special Publication 17, p. 111 – 168.

Bailey, L., 2012, 2011 Geological and Geochemical Reconnaissance Report: Yellow Claim Block, Kinross Gold Corporation.

Doherty, R.A., and Ash, C.H., 2005, Report on the White Property, for Madalena Ventures Inc., February 15, 2005.

Friske, P.W., Hornbrook, E.H., Schmitt, H.R., Galletta, A.C., Ellwood, D.J., & McCurdy, M. 1986 Regional stream sediment and water geochemical reconnaissance data, Yukon 1986, GSC Open File 1364, NTS 115N(E1/2), 115O.

Gibson, J.L., 2014, 2014 Geological, Geophysical, and Geochemical Report for the Betty-Hayes Property, Wildwood Exploration Inc.

Mortensen, J.K. and Allan, M.M., 2012. Summary of the Tectonic and Magmatic Evolution of Western Yukon and Eastern Alaska. In Yukon Gold Project Final Technical Report, Edited by Allan, M.M., Hart, C.J.R., and Mortensen, J.K. Mineral Deposit Research Unit, University of British Columbia, p. 7 – 10.

Nelson, J., Colpron, M., and Israel, S., 2013. The Cordillera of British Columbia, Yukon and Alaska: tectonics and metallogeny. In: Colpron, M., Bissig, T., Rusk, B., and Thompson, J.F.H., (Editors), Tectonics, Metallogeny, and Discovery - the North American Cordillera and similar accretionary settings. Society of Economic Geologists, Special Publication 17: 53-109.

Additional review of various published scientific and reporting papers on the geology and mineral deposits of the region for indirect reference.

Statements of Qualification

I, Chad Cote, located in Dawson City, Yukon work as a Geophysical Project Manager for GroundTruth Exploration Inc.

I have worked in the mineral exploration field since 2007. From 2007 to 2010 I worked for RyanWood Exploration for the summer field seasons as a soil sampling crew boss, MAG operator, and prospector. I joined GroundTruth Exploration for full time employment when it formed in 2010, expanding my role into GIS mapping and data management, and leading the expansion of our geophysics branch to include high resolution DC resistivity/IP and GPR surveys.

I graduated from the University of Victoria in December of 2010 with Bachelor of Science in Geography, specializing in physical systems and GIS.

Dated this 11th of January 2018 in Dawson City, YT.

Respectfully submitted

Chad Cote

Appendices

Appendix A: Large Format Maps

Figure 10 Sample location map

Appendix B: Claim List

Appendix C: Assay Certificates

Appendix D: Geology Legend

2017 CLW: Sample Location Map
Date: 10 January, 2018
Scale: 1:10,000
NTS Sheet:115O/04, 05
Datum: NAD83, UTM Zone 7
Legend
Soil Samples
Quartz Claims
Faults
Yellow
THRUST
Finlayson
Simpson Range
PDS1
Snowcap
DMF1
Finlayson
GroundTruth
Exploration
0.2
0
0.2
0.4
0.6
0.8 km
567000
568000
569000
570000
571000
572000
573000
574000
7020000
7019000
7018000
7017000
7016000
N

Grant Number	Claim Name	Owner (100%)	Stake Date	Expiry Date	District
YC87802	Yellow 1	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87803	Yellow 2	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87804	Yellow 3	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87805	Yellow 4	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87806	Yellow 5	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87807	Yellow 6	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87808	Yellow 7	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87809	Yellow 8	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87810	Yellow 9	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87811	Yellow 10	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87812	Yellow 11	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87813	Yellow 12	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87814	Yellow 13	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87815	Yellow 14	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87816	Yellow 15	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87817	Yellow 16	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87818	Yellow 17	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87819	Yellow 18	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87820	Yellow 19	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87821	Yellow 20	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87822	Yellow 21	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87823	Yellow 22	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87824	Yellow 23	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87825	Yellow 24	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87826	Yellow 25	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87827	Yellow 26	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87828	Yellow 27	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87829	Yellow 28	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87830	Yellow 29	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87831	Yellow 30	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87832	Yellow 31	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87833	Yellow 32	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87834	Yellow 33	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87835	Yellow 34	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87836	Yellow 35	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87837	Yellow 36	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87838	Yellow 37	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87839	Yellow 38	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87840	Yellow 39	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87841	Yellow 40	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87842	Yellow 41	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87843	Yellow 42	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87844	Yellow 43	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87845	Yellow 44	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87846	Yellow 45	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87847	Yellow 46	Selene Holdings LP	04/06/2009	15/02/2018	Dawson

Grant Number	Claim Name	Owner (100%)	Stake Date	Expiry Date	District
YC87848	Yellow 47	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87849	Yellow 48	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87850	Yellow 49	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87851	Yellow 50	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87852	Yellow 51	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87853	Yellow 52	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87854	Yellow 53	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87855	Yellow 54	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87856	Yellow 55	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87857	Yellow 56	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87858	Yellow 57	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87859	Yellow 58	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87860	Yellow 59	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87861	Yellow 60	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87862	Yellow 61	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87863	Yellow 62	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87864	Yellow 63	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87865	Yellow 64	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87866	Yellow 65	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87867	Yellow 66	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87868	Yellow 67	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87869	Yellow 68	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87870	Yellow 69	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87871	Yellow 70	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87872	Yellow 71	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87873	Yellow 72	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87874	Yellow 73	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87875	Yellow 74	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87876	Yellow 75	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87877	Yellow 76	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87878	Yellow 77	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87879	Yellow 78	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87880	Yellow 79	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87881	Yellow 80	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87882	Yellow 81	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87883	Yellow 82	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87884	Yellow 83	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87885	Yellow 84	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87886	Yellow 85	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87887	Yellow 86	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87888	Yellow 87	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87889	Yellow 88	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87890	Yellow 89	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87891	Yellow 90	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87892	Yellow 91	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87893	Yellow 92	Selene Holdings LP	04/06/2009	15/02/2018	Dawson

Grant Number	Claim Name	Owner (100%)	Stake Date	Expiry Date	District
YC87894	Yellow 93	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87895	Yellow 94	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87896	Yellow 95	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC87897	Yellow 96	Selene Holdings LP	04/06/2009	15/02/2018	Dawson
YC88135	Yellow 109	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88136	Yellow 110	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88147	Yellow 121	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88148	Yellow 122	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88149	Yellow 123	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88150	Yellow 124	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88157	Yellow 131	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88158	Yellow 132	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88159	Yellow 133	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88160	Yellow 134	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88161	Yellow 135	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88162	Yellow 136	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88163	Yellow 137	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88164	Yellow 138	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88165	Yellow 139	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88166	Yellow 140	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88167	Yellow 141	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88168	Yellow 142	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88169	Yellow 143	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88170	Yellow 144	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88171	Yellow 145	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88172	Yellow 146	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88173	Yellow 147	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88174	Yellow 148	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88175	Yellow 149	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88176	Yellow 150	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88177	Yellow 151	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88178	Yellow 152	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88179	Yellow 153	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88180	Yellow 154	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88181	Yellow 155	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88182	Yellow 156	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88183	Yellow 157	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88184	Yellow 158	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88185	Yellow 159	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88186	Yellow 160	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88187	Yellow 161	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88188	Yellow 162	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88189	Yellow 163	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88190	Yellow 164	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88191	Yellow 165	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88192	Yellow 166	Selene Holdings LP	05/06/2009	15/02/2018	Dawson

Grant Number	Claim Name	Owner (100%)	Stake Date	Expiry Date	District
YC88193	Yellow 167	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88194	Yellow 168	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88195	Yellow 169	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88196	Yellow 170	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88197	Yellow 171	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88198	Yellow 172	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88199	Yellow 173	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88200	Yellow 174	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88201	Yellow 175	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88202	Yellow 176	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88203	Yellow 177	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88204	Yellow 178	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88205	Yellow 179	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88206	Yellow 180	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88207	Yellow 181	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88208	Yellow 182	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88209	Yellow 183	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88210	Yellow 184	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88211	Yellow 185	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88212	Yellow 186	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88213	Yellow 187	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88214	Yellow 188	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88215	Yellow 189	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88216	Yellow 190	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88217	Yellow 191	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88218	Yellow 192	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88219	Yellow 193	Selene Holdings LP	05/06/2009	15/02/2018	Dawson
YC88220	Yellow 194	Selene Holdings LP	05/06/2009	15/02/2018	Dawson

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: September 27, 2017
Report Date: October 11, 2017
Page: 1 of 5

CERTIFICATE OF ANALYSIS WHI17000942.1

CLIENT JOB INFORMATION

Project: YEL
Shipment ID: YEL-20170926-001-SOIL
P.O. Number
Number of Samples: 119

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	119	Dry at 60C			WHI
SS80	119	Dry at 60C sieve 100g to -80 mesh		Completed	WHI
AQ201	119	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	119	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Ground Truth Exploration Inc.
Box 70
Dawson Yukon Y0B 1G0
Canada

CC: Isaac Fage
Shawn Ryan
Greg Dawson

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1554818	Soil		1.0	25.3	17.3	76	0.2	43.7	17.3	578	3.04	4.6	1.2	1.6	3.7	32	0.2	0.3	0.3	71	0.49	0.088
1554819	Soil		0.8	27.2	12.7	48	0.2	26.2	7.9	182	1.97	2.8	1.1	<0.5	1.6	29	0.2	0.2	0.2	51	0.37	0.054
1554825	Soil		1.0	32.6	12.5	49	<0.1	33.2	14.4	288	3.34	10.9	0.7	1.9	4.6	18	<0.1	0.6	0.3	78	0.18	0.025
1554826	Soil		1.4	23.7	15.9	49	<0.1	38.4	10.6	345	2.47	10.4	0.6	1.0	3.4	11	0.2	0.5	0.2	83	0.16	0.038
1554813	Soil		0.6	21.5	11.9	69	<0.1	28.8	13.6	366	3.11	5.2	0.8	0.5	5.1	21	<0.1	0.3	0.2	77	0.31	0.053
1554823	Soil		6.2	38.6	29.2	57	0.1	74.1	12.6	734	2.56	8.0	1.4	<0.5	5.2	21	0.4	0.3	0.2	101	0.69	0.075
1554807	Soil		0.8	24.7	14.9	52	<0.1	26.9	10.3	301	3.02	11.1	0.5	1.3	4.3	20	<0.1	0.6	0.2	71	0.21	0.017
1554810	Soil		1.0	25.4	18.4	56	<0.1	40.6	15.1	541	3.55	6.4	1.7	1.2	9.7	11	0.1	0.3	0.3	62	0.13	0.045
1552627	Soil		0.4	27.8	11.2	59	<0.1	33.8	14.0	439	3.02	7.1	1.0	1.7	4.6	33	<0.1	0.3	0.2	64	0.56	0.069
1554833	Soil		0.5	22.8	10.2	59	0.1	34.5	13.4	513	3.01	4.1	0.8	2.4	4.5	30	0.1	0.2	0.2	74	0.51	0.085
1554816	Soil		0.5	30.6	22.0	78	0.1	57.7	17.4	563	3.47	4.5	2.1	1.2	10.9	39	0.2	0.3	0.3	80	0.68	0.088
1554832	Soil		0.8	24.2	10.8	56	0.2	37.5	14.0	277	3.40	9.2	0.6	1.2	2.9	24	<0.1	0.4	0.2	77	0.25	0.033
1552616	Soil		1.4	42.9	23.7	90	0.2	61.7	14.4	358	3.67	5.3	1.0	0.7	3.2	31	<0.1	0.3	0.3	116	0.12	0.032
1552633	Soil		1.0	13.8	13.1	46	0.1	18.4	7.2	218	2.90	9.1	0.7	1.8	2.8	14	<0.1	0.4	0.3	60	0.13	0.038
1552626	Soil		0.4	41.4	12.8	58	0.1	37.8	13.2	381	2.93	6.4	1.9	1.5	5.1	36	<0.1	0.3	0.2	66	0.62	0.064
1552632	Soil		1.4	23.3	13.8	49	0.1	25.1	12.1	236	3.43	11.3	0.6	1.8	3.9	14	<0.1	0.6	0.3	74	0.14	0.034
1552628	Soil		0.5	29.4	9.4	50	<0.1	33.0	14.8	301	2.82	6.4	0.6	0.8	3.8	28	<0.1	0.3	0.1	68	0.46	0.065
1552631	Soil		0.9	32.5	10.0	52	0.4	34.7	15.5	909	2.96	5.6	1.6	0.9	4.6	27	<0.1	0.3	0.2	70	0.41	0.051
1552608	Soil		0.4	40.6	10.1	72	0.1	46.1	18.7	565	3.13	3.0	1.5	1.8	5.7	45	0.2	0.3	0.2	77	0.83	0.106
1552630	Soil		0.9	31.1	14.6	67	0.2	51.6	15.1	406	3.39	7.4	1.1	1.6	5.2	28	<0.1	0.2	0.3	86	0.43	0.054
1554814	Soil		0.7	26.6	22.9	68	0.2	24.1	12.1	616	2.33	3.0	1.8	1.5	3.5	51	0.3	0.2	0.3	56	0.84	0.081
1554811	Soil		0.5	23.5	15.2	60	<0.1	35.0	12.5	417	2.87	5.5	1.4	0.9	8.5	22	<0.1	0.3	0.2	64	0.29	0.041
1552629	Soil		0.6	31.8	26.4	61	0.2	48.7	16.2	735	3.06	9.9	1.3	3.0	4.8	35	0.1	0.4	0.3	75	0.57	0.072
1552602	Soil		0.3	28.9	10.4	54	<0.1	63.0	15.4	463	2.74	4.5	1.0	2.0	5.3	32	<0.1	0.3	0.1	63	0.50	0.094
1554828	Soil		1.0	23.7	12.0	57	<0.1	25.4	10.7	310	3.10	10.8	0.6	0.6	5.5	20	<0.1	0.7	0.2	68	0.21	0.024
1554822	Soil		0.6	22.3	8.0	57	<0.1	41.7	17.9	348	3.47	5.9	0.6	1.4	3.0	24	<0.1	0.3	0.1	78	0.34	0.062
1554831	Soil		1.2	29.2	12.6	42	0.3	28.4	10.6	1228	2.59	8.6	1.1	1.6	4.3	31	<0.1	0.5	0.2	66	0.42	0.037
1554830	Soil		1.2	8.9	16.5	35	0.1	10.5	4.0	172	1.81	6.3	0.3	0.5	3.4	9	<0.1	0.3	0.5	42	0.08	0.022
1554820	Soil		0.7	29.9	22.1	69	0.2	41.5	18.3	550	3.37	3.6	1.5	1.7	5.3	34	0.2	0.2	0.3	83	0.56	0.112
1554815	Soil		0.5	37.4	24.8	77	0.2	51.7	17.2	702	3.60	4.7	2.6	1.5	9.5	48	0.2	0.3	0.4	79	0.77	0.091

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1554818	Soil		16	74	1.15	486	0.116	1	1.83	0.014	0.14	<0.1	0.04	5.1	0.2	<0.05	6	<0.5	<0.2
1554819	Soil		12	45	0.65	463	0.084	2	1.24	0.017	0.07	<0.1	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
1554825	Soil		11	57	0.84	467	0.135	<1	2.25	0.012	0.09	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1554826	Soil		13	57	1.27	172	0.075	2	2.22	0.008	0.04	0.2	0.01	4.5	0.2	<0.05	6	<0.5	<0.2
1554813	Soil		19	61	0.95	269	0.131	1	2.03	0.011	0.11	0.1	<0.01	5.1	0.3	<0.05	7	<0.5	<0.2
1554823	Soil		21	105	2.74	315	0.087	<1	2.17	0.008	0.08	0.4	<0.01	7.6	0.3	<0.05	6	<0.5	<0.2
1554807	Soil		13	44	0.67	256	0.100	<1	2.07	0.010	0.08	0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1554810	Soil		19	62	0.89	192	0.137	<1	2.22	0.007	0.30	<0.1	0.02	4.6	0.3	<0.05	7	0.5	<0.2
1552627	Soil		14	64	1.12	486	0.159	1	1.77	0.018	0.20	<0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
1554833	Soil		14	73	1.29	525	0.161	<1	1.69	0.018	0.29	0.1	0.01	4.4	0.2	<0.05	7	<0.5	<0.2
1554816	Soil		36	121	1.68	614	0.146	1	2.44	0.017	0.41	<0.1	0.03	8.2	0.3	<0.05	8	<0.5	<0.2
1554832	Soil		9	73	1.06	347	0.171	<1	2.07	0.011	0.15	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1552616	Soil		11	161	1.49	524	0.163	1	2.79	0.015	0.44	<0.1	0.01	7.9	0.3	<0.05	9	0.5	<0.2
1552633	Soil		11	41	0.52	131	0.091	<1	1.62	0.008	0.08	0.1	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
1552626	Soil		19	68	1.15	764	0.142	<1	1.87	0.018	0.22	<0.1	0.03	5.4	0.2	<0.05	6	<0.5	<0.2
1552632	Soil		12	43	0.55	212	0.088	1	2.54	0.011	0.06	0.2	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
1552628	Soil		12	67	1.12	496	0.162	1	1.83	0.017	0.19	<0.1	0.01	3.1	0.2	<0.05	6	<0.5	<0.2
1552631	Soil		15	77	1.06	457	0.145	<1	2.00	0.016	0.08	<0.1	0.02	5.2	0.2	<0.05	6	<0.5	<0.2
1552608	Soil		22	92	1.49	1003	0.187	2	2.19	0.017	0.36	0.1	0.04	5.7	0.2	<0.05	7	<0.5	<0.2
1552630	Soil		15	97	1.22	486	0.171	2	2.27	0.015	0.27	0.1	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
1554814	Soil		28	46	0.72	548	0.076	2	1.63	0.016	0.12	0.1	0.06	6.1	0.2	<0.05	5	<0.5	<0.2
1554811	Soil		27	70	1.02	343	0.122	1	1.93	0.012	0.14	0.2	0.03	4.5	0.2	<0.05	6	<0.5	<0.2
1552629	Soil		17	84	1.29	580	0.149	2	1.99	0.024	0.31	0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
1552602	Soil		16	120	1.54	643	0.138	<1	2.03	0.018	0.30	0.1	0.03	5.4	0.2	<0.05	7	<0.5	<0.2
1554828	Soil		14	40	0.70	266	0.107	1	2.25	0.010	0.09	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1554822	Soil		10	80	1.37	465	0.177	1	2.32	0.015	0.20	0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1554831	Soil		20	39	0.57	464	0.095	1	1.78	0.013	0.08	0.1	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1554830	Soil		9	17	0.34	126	0.047	<1	1.08	0.005	0.07	<0.1	<0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1554820	Soil		17	78	1.70	764	0.164	<1	2.35	0.016	0.24	0.1	0.03	5.9	0.2	<0.05	7	<0.5	<0.2
1554815	Soil		42	106	1.56	785	0.128	1	2.48	0.019	0.34	<0.1	0.05	10.5	0.3	<0.05	8	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1554829	Soil	0.9	11.5	14.4	43	0.2	16.3	9.0	909	2.47	5.7	0.4	1.2	2.5	28	0.1	0.4	0.2	65	0.38	0.030
1554817	Soil	1.0	23.9	17.7	72	0.2	45.5	16.0	656	2.82	4.3	1.2	1.3	4.8	39	0.2	0.3	0.3	71	0.59	0.058
1552601	Soil	1.0	21.5	9.9	58	0.1	38.0	15.0	496	3.47	7.3	0.7	<0.5	4.5	19	<0.1	0.4	0.3	86	0.23	0.062
1552610	Soil	0.4	42.0	28.8	67	0.2	79.7	17.2	584	2.72	5.0	2.8	9.6	9.9	44	0.2	0.5	0.3	55	0.68	0.076
1552621	Soil	1.0	18.5	12.5	43	0.2	19.9	7.7	268	2.03	2.9	0.9	<0.5	3.1	25	0.1	0.3	0.3	55	0.31	0.026
1554824	Soil	1.0	31.7	12.7	50	<0.1	33.3	13.7	281	3.31	11.0	0.7	2.6	5.0	20	<0.1	0.6	0.3	79	0.19	0.025
1552614	Soil	0.8	18.4	11.3	46	<0.1	17.6	9.8	331	2.79	7.5	0.8	1.4	3.4	21	<0.1	0.3	0.2	65	0.25	0.072
1502531	Soil	0.3	35.8	10.5	59	0.1	35.0	12.6	368	2.80	6.6	0.9	1.7	5.6	35	<0.1	0.4	0.1	64	0.52	0.053
1552615	Soil	1.3	39.8	9.9	57	<0.1	87.1	19.0	337	3.80	5.9	0.7	0.6	2.8	27	<0.1	0.4	0.1	92	0.30	0.047
1552617	Soil	0.6	35.2	6.7	53	<0.1	32.0	13.9	300	2.97	6.9	0.5	1.1	2.7	29	<0.1	0.4	0.1	78	0.36	0.059
1552623	Soil	0.5	33.4	13.0	61	0.1	39.9	13.5	447	2.86	5.1	2.1	0.7	5.9	34	<0.1	0.3	0.2	70	0.63	0.079
1552618	Soil	0.9	41.1	11.1	59	0.1	26.7	11.6	351	3.08	10.0	1.5	5.3	5.2	22	<0.1	0.6	0.2	77	0.24	0.016
1502508	Soil	1.5	46.4	14.4	104	0.2	82.9	20.4	622	3.80	13.4	1.4	1.2	5.4	17	0.1	0.7	0.2	111	0.24	0.059
1502512	Soil	0.6	18.9	23.0	44	<0.1	28.9	9.0	410	2.26	5.7	1.1	0.9	6.6	14	<0.1	0.3	0.2	46	0.17	0.058
1502509	Soil	1.4	40.9	11.2	88	0.2	83.3	12.8	342	3.20	14.3	1.0	2.1	3.0	15	0.1	0.7	0.2	95	0.18	0.046
1502507	Soil	1.8	43.6	10.5	101	0.2	87.1	14.8	460	3.87	5.9	1.0	3.5	3.6	16	0.2	0.3	0.2	113	0.13	0.042
1552604	Soil	0.2	42.2	4.8	63	<0.1	57.9	21.8	592	3.31	2.5	0.9	1.4	2.9	49	0.1	0.2	<0.1	91	1.01	0.122
1552622	Soil	0.5	29.4	13.8	63	<0.1	48.1	16.2	438	3.21	3.8	1.6	0.5	5.6	29	<0.1	0.2	0.2	76	0.50	0.082
1502505	Soil	1.0	32.6	11.5	74	<0.1	49.2	13.3	338	3.23	14.3	0.8	2.1	3.3	17	0.1	0.7	0.2	78	0.18	0.040
1502503	Soil	1.0	19.2	14.0	48	0.1	24.8	9.9	523	3.08	9.9	0.6	1.0	4.8	20	<0.1	0.7	0.2	76	0.23	0.032
1502504	Soil	1.0	21.1	15.2	52	0.2	34.9	12.9	234	2.89	11.5	0.6	2.1	3.6	16	<0.1	0.7	0.3	72	0.15	0.020
1502506	Soil	0.7	26.9	9.2	64	0.1	36.9	10.3	239	2.76	9.1	1.0	1.7	2.6	17	0.1	0.4	0.2	84	0.22	0.055
1554803	Soil	0.6	35.6	9.0	40	0.2	65.8	17.8	626	2.80	3.4	0.6	1.2	2.0	27	0.1	0.2	0.1	76	0.45	0.053
1502501	Soil	0.9	13.7	11.2	44	<0.1	22.1	13.1	1102	2.88	5.9	0.4	0.7	2.8	22	<0.1	0.4	0.3	69	0.27	0.033
1502502	Soil	0.7	21.6	11.3	55	<0.1	24.3	11.3	503	3.36	10.7	0.5	1.8	3.6	24	<0.1	0.5	0.3	80	0.31	0.029
1552620	Soil	1.1	25.7	18.0	59	0.3	29.2	11.9	448	2.78	4.4	1.9	1.1	4.4	28	0.2	0.3	0.4	65	0.37	0.047
1554812	Soil	0.5	12.5	16.9	51	<0.1	16.7	7.2	274	2.22	4.1	0.9	1.3	5.9	20	<0.1	0.2	0.3	57	0.26	0.035
1554808	Soil	0.7	19.3	10.7	52	<0.1	23.5	10.8	324	3.17	9.0	0.5	11.1	3.9	23	<0.1	0.5	0.2	77	0.28	0.029
1554804	Soil	0.3	39.3	31.9	82	<0.1	68.7	22.6	772	3.88	5.9	1.7	1.2	15.3	31	<0.1	0.6	0.4	86	0.48	0.099
1554801	Soil	0.6	20.7	32.5	54	0.1	24.8	12.4	757	3.02	5.7	0.7	1.3	4.7	23	<0.1	0.4	0.5	71	0.31	0.028

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1554829	Soil	11	29	0.42	363	0.085	<1	1.50	0.013	0.12	<0.1	0.01	2.4	0.1	<0.05	6	<0.5	<0.2
1554817	Soil	20	84	1.05	644	0.117	2	1.89	0.019	0.12	<0.1	0.05	6.0	0.2	<0.05	7	<0.5	<0.2
1552601	Soil	13	75	1.23	541	0.147	1	2.37	0.013	0.25	0.1	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
1552610	Soil	55	144	1.18	782	0.102	<1	2.02	0.017	0.17	<0.1	0.05	5.6	0.2	<0.05	5	<0.5	<0.2
1552621	Soil	14	40	0.64	379	0.123	1	1.42	0.017	0.16	0.1	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
1554824	Soil	12	57	0.85	458	0.135	2	2.53	0.014	0.10	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1552614	Soil	14	32	0.57	273	0.110	2	1.73	0.011	0.07	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1502531	Soil	17	64	1.10	511	0.137	1	1.89	0.023	0.16	<0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
1552615	Soil	11	185	1.69	523	0.181	1	2.86	0.017	0.11	0.1	0.01	5.2	0.2	<0.05	8	<0.5	<0.2
1552617	Soil	10	44	1.23	520	0.166	1	2.18	0.013	0.15	0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1552623	Soil	20	86	1.30	728	0.151	<1	1.94	0.019	0.31	0.1	0.02	5.3	0.2	<0.05	6	<0.5	<0.2
1552618	Soil	17	49	0.65	422	0.106	1	1.95	0.016	0.07	0.1	0.02	5.9	0.1	<0.05	6	<0.5	<0.2
1502508	Soil	20	130	1.51	636	0.148	<1	2.49	0.012	0.47	<0.1	0.02	8.0	0.3	<0.05	8	<0.5	<0.2
1502512	Soil	37	41	0.61	237	0.058	<1	1.45	0.010	0.09	<0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
1502509	Soil	15	120	1.31	373	0.120	<1	2.09	0.011	0.29	<0.1	0.01	6.1	0.2	<0.05	7	<0.5	<0.2
1502507	Soil	13	117	1.20	394	0.167	<1	2.18	0.013	0.31	<0.1	0.02	5.7	0.2	<0.05	8	<0.5	<0.2
1552604	Soil	9	130	2.03	1159	0.213	1	2.28	0.022	0.43	<0.1	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
1552622	Soil	19	109	1.65	705	0.183	<1	2.27	0.015	0.40	<0.1	0.01	4.4	0.3	<0.05	7	<0.5	<0.2
1502505	Soil	16	63	0.84	210	0.094	1	2.23	0.012	0.13	0.1	0.01	4.3	0.1	<0.05	6	<0.5	<0.2
1502503	Soil	13	38	0.53	282	0.091	1	2.17	0.012	0.06	0.1	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1502504	Soil	13	55	0.66	208	0.086	<1	2.44	0.011	0.06	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
1502506	Soil	15	67	0.93	402	0.130	<1	1.88	0.012	0.25	0.1	0.03	5.3	0.2	<0.05	7	<0.5	<0.2
1554803	Soil	8	145	1.40	520	0.174	<1	1.91	0.016	0.22	<0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1502501	Soil	10	47	0.75	404	0.134	<1	1.69	0.014	0.17	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
1502502	Soil	14	45	0.81	383	0.113	2	2.30	0.013	0.10	0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
1552620	Soil	21	62	0.94	488	0.118	2	2.20	0.016	0.13	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1554812	Soil	27	39	0.67	251	0.115	2	1.62	0.009	0.10	<0.1	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
1554808	Soil	14	44	0.77	224	0.139	2	2.04	0.011	0.11	0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1554804	Soil	38	111	2.12	648	0.158	1	2.79	0.008	0.67	<0.1	<0.01	7.7	0.5	<0.05	11	<0.5	<0.2
1554801	Soil	12	49	0.87	568	0.132	2	2.23	0.014	0.16	0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1554806	Soil	0.4	33.7	15.4	58	<0.1	37.5	12.3	379	3.02	8.2	1.8	3.8	9.3	31	<0.1	0.5	0.3	69	0.40	0.039
1554805	Soil	0.3	15.4	7.1	53	<0.1	55.9	17.4	385	3.07	3.4	0.5	0.9	2.6	26	<0.1	0.2	0.1	74	0.52	0.072
1554802	Soil	0.7	17.5	19.6	86	<0.1	21.9	9.7	256	2.96	7.1	0.7	1.8	5.1	24	<0.1	0.5	0.4	61	0.19	0.039
1554821	Soil	0.6	37.4	23.9	80	0.2	68.1	20.4	480	3.60	2.6	1.7	1.4	8.1	37	0.1	0.2	0.4	84	0.62	0.109
1554827	Soil	0.8	19.0	8.1	37	0.1	18.8	13.1	732	2.56	5.7	0.5	1.7	2.4	22	<0.1	0.4	0.3	69	0.23	0.031
1554809	Soil	0.7	39.6	11.4	68	<0.1	33.7	17.5	414	3.71	6.2	0.8	1.9	2.9	27	<0.1	0.5	0.4	104	0.38	0.028
1502539	Soil	0.5	216.6	5.0	91	<0.1	26.4	24.0	389	4.25	5.0	0.4	2.5	1.1	26	0.1	0.7	0.1	140	0.45	0.041
1502535	Soil	0.3	25.1	21.0	69	<0.1	46.4	18.1	606	3.58	3.6	1.7	0.6	9.4	41	<0.1	0.3	0.2	91	0.78	0.093
1502534	Soil	0.4	45.3	20.9	65	0.2	59.1	17.5	603	3.34	4.9	2.4	3.0	5.6	53	0.2	0.3	0.3	79	0.83	0.085
1502540	Soil	0.7	25.5	9.7	53	0.1	34.5	12.2	414	2.84	7.2	0.7	1.3	3.6	31	0.1	0.5	0.2	68	0.48	0.051
1502538	Soil	0.7	32.1	8.5	54	<0.1	28.0	10.1	265	2.73	9.7	0.6	0.8	4.1	22	<0.1	0.7	0.2	68	0.24	0.016
1502537	Soil	0.8	28.7	14.9	57	<0.1	32.2	11.6	317	3.13	10.8	0.8	2.1	8.3	23	<0.1	0.8	0.2	72	0.21	0.019
1502542	Soil	0.7	17.7	11.7	54	<0.1	23.8	10.0	264	2.87	8.6	0.8	1.1	5.1	24	<0.1	0.7	0.2	62	0.31	0.021
1502541	Soil	0.4	40.9	14.1	61	0.1	51.9	20.8	573	3.76	3.7	1.0	1.2	4.2	34	0.1	0.4	0.2	101	0.65	0.103
1502524	Soil	0.7	37.4	8.8	58	<0.1	31.7	12.4	349	3.29	9.6	1.2	2.5	5.3	35	<0.1	0.7	0.2	76	0.47	0.041
1502511	Soil	0.3	19.2	7.8	69	<0.1	31.1	19.3	505	3.83	6.4	1.1	1.0	4.0	39	<0.1	0.3	<0.1	87	0.75	0.137
1502536	Soil	0.4	27.6	13.7	56	<0.1	44.6	14.7	324	3.06	6.2	1.1	2.4	5.4	32	<0.1	0.3	0.2	76	0.41	0.053
1502543	Soil	0.5	62.3	11.2	47	0.4	28.1	10.1	420	2.31	8.3	2.5	4.2	3.2	71	0.3	1.0	0.2	55	1.45	0.075
1502522	Soil	0.3	45.0	8.8	65	0.1	35.9	14.1	493	3.15	7.8	0.7	3.9	4.0	43	<0.1	0.5	0.2	82	0.76	0.076
1502510	Soil	2.7	58.4	10.2	94	0.3	101.4	18.7	562	3.70	11.5	2.1	1.1	4.9	27	0.3	0.5	0.2	97	0.51	0.069
1502553	Soil	0.5	20.6	17.9	53	<0.1	47.9	13.6	370	2.66	4.3	0.9	1.6	6.0	35	<0.1	0.3	0.2	60	0.53	0.061
1502549	Soil	0.5	32.4	13.8	56	0.1	51.0	15.8	507	2.90	4.6	2.3	1.5	6.1	46	0.1	0.3	0.2	74	0.72	0.082
1502551	Soil	0.7	6.9	12.3	20	<0.1	5.6	2.3	89	1.31	4.4	0.4	2.2	2.7	13	<0.1	0.3	0.2	56	0.11	0.019
1502545	Soil	0.5	22.2	16.6	56	<0.1	24.6	9.2	358	2.88	8.3	1.3	3.3	9.1	31	<0.1	1.3	0.3	53	0.51	0.070
1502547	Soil	0.8	20.8	17.0	52	0.3	22.1	11.6	635	2.79	5.0	1.1	1.7	5.9	26	<0.1	0.4	0.3	58	0.36	0.052
1502548	Soil	1.3	16.8	10.7	43	0.2	21.4	9.1	364	3.02	9.4	0.4	2.2	2.6	14	0.1	0.7	0.2	70	0.15	0.041
1502546	Soil	0.5	18.1	15.8	60	0.1	22.9	9.2	389	2.92	4.3	1.2	0.6	9.4	26	<0.1	0.4	0.3	53	0.34	0.068
1502544	Soil	0.5	23.2	12.0	43	0.2	21.7	8.9	205	2.53	5.6	0.7	0.6	4.2	26	<0.1	0.5	0.2	60	0.37	0.025
1502550	Soil	0.5	29.9	14.7	60	0.1	49.9	15.1	468	2.87	4.4	2.2	0.7	6.2	47	0.2	0.3	0.2	69	0.77	0.081
1502552	Soil	0.4	29.7	24.3	55	0.2	64.2	17.0	400	3.04	2.6	1.6	0.7	5.0	60	0.1	0.2	0.3	77	0.92	0.065

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1554806	Soil	26	71	0.98	520	0.126	2	1.98	0.018	0.13	0.1	0.04	7.9	0.2	<0.05	6	0.5	<0.2
1554805	Soil	9	130	1.82	623	0.200	1	2.45	0.020	0.42	<0.1	<0.01	3.6	0.2	<0.05	7	<0.5	<0.2
1554802	Soil	14	34	0.85	294	0.116	2	2.15	0.010	0.14	<0.1	<0.01	2.7	0.2	<0.05	7	<0.5	<0.2
1554821	Soil	29	120	2.05	1037	0.165	2	2.57	0.019	0.55	<0.1	0.03	8.0	0.2	<0.05	8	<0.5	<0.2
1554827	Soil	9	39	0.66	418	0.125	1	1.73	0.017	0.05	0.1	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
1554809	Soil	10	64	1.10	340	0.136	1	2.39	0.014	0.15	<0.1	0.01	6.8	0.2	<0.05	7	<0.5	<0.2
1502539	Soil	7	27	1.73	575	0.231	2	2.44	0.028	0.81	<0.1	0.01	5.7	0.2	<0.05	9	<0.5	<0.2
1502535	Soil	26	120	2.02	806	0.211	2	2.40	0.018	0.70	0.1	<0.01	5.6	0.4	<0.05	9	<0.5	<0.2
1502534	Soil	25	123	1.37	1054	0.174	2	2.15	0.019	0.33	0.1	0.05	6.2	0.3	<0.05	7	<0.5	<0.2
1502540	Soil	12	61	1.00	474	0.143	2	1.80	0.018	0.21	0.2	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
1502538	Soil	13	46	0.68	273	0.107	2	1.90	0.014	0.10	<0.1	<0.01	4.1	0.1	<0.05	5	<0.5	<0.2
1502537	Soil	18	46	0.68	341	0.098	2	2.50	0.012	0.08	<0.1	0.01	4.4	0.2	<0.05	7	<0.5	<0.2
1502542	Soil	17	42	0.67	407	0.113	1	1.89	0.014	0.14	0.1	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
1502541	Soil	13	131	2.11	1172	0.229	1	2.43	0.026	0.74	<0.1	0.01	6.0	0.3	<0.05	8	<0.5	<0.2
1502524	Soil	22	55	0.83	613	0.122	2	2.15	0.027	0.07	0.1	0.03	8.3	0.1	<0.05	6	<0.5	<0.2
1502511	Soil	13	57	2.12	606	0.146	<1	2.89	0.015	0.20	<0.1	<0.01	5.8	0.2	<0.05	9	<0.5	<0.2
1502536	Soil	19	108	1.12	511	0.119	2	2.24	0.018	0.07	0.1	0.02	5.8	0.2	<0.05	7	<0.5	<0.2
1502543	Soil	35	46	0.74	930	0.079	2	1.61	0.019	0.19	<0.1	0.07	5.9	0.2	<0.05	5	0.5	<0.2
1502522	Soil	18	65	1.13	592	0.125	2	1.88	0.036	0.14	0.1	0.07	7.0	0.1	<0.05	6	<0.5	<0.2
1502510	Soil	19	122	2.04	406	0.075	<1	2.61	0.011	0.27	<0.1	0.02	9.3	0.4	<0.05	7	0.9	<0.2
1502553	Soil	17	109	1.22	518	0.158	1	1.87	0.015	0.22	0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
1502549	Soil	24	125	1.35	748	0.159	1	2.00	0.020	0.32	0.1	0.03	5.5	0.2	<0.05	7	<0.5	<0.2
1502551	Soil	13	18	0.22	108	0.096	<1	1.00	0.009	0.04	<0.1	0.02	1.9	0.1	<0.05	7	<0.5	<0.2
1502545	Soil	28	42	0.76	457	0.093	1	1.77	0.017	0.18	0.1	0.03	4.6	0.2	<0.05	6	<0.5	<0.2
1502547	Soil	27	38	0.70	462	0.106	2	1.88	0.017	0.21	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1502548	Soil	11	36	0.50	267	0.096	2	1.82	0.012	0.07	0.1	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
1502546	Soil	35	41	0.79	432	0.128	<1	1.74	0.014	0.30	0.1	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
1502544	Soil	16	46	0.60	391	0.084	1	1.69	0.019	0.10	<0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1502550	Soil	23	120	1.34	729	0.155	1	1.98	0.019	0.33	0.1	0.04	5.4	0.3	<0.05	7	<0.5	<0.2
1502552	Soil	15	161	1.66	859	0.198	1	2.09	0.022	0.41	0.1	0.04	4.3	0.3	<0.05	7	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1502516	Soil		0.9	19.9	12.8	47	0.1	26.9	10.6	279	2.99	8.6	0.6	1.3	4.6	20	<0.1	0.5	0.3	67	0.23	0.016
1502527	Soil		0.9	20.0	11.0	40	0.2	20.5	8.0	248	2.39	3.9	0.4	<0.5	2.7	26	0.1	0.3	0.3	66	0.42	0.030
1502519	Soil		0.5	29.5	28.7	60	<0.1	30.7	11.5	258	2.84	7.1	0.7	1.3	5.7	21	<0.1	0.4	0.4	55	0.32	0.034
1502530	Soil		0.3	36.5	11.7	62	0.1	35.8	15.0	365	2.93	4.9	1.1	2.2	4.1	39	<0.1	0.3	0.2	70	0.64	0.071
1502526	Soil		0.4	63.4	21.3	42	0.3	25.3	11.1	1366	2.36	3.5	1.8	1.4	7.9	79	0.3	0.5	0.4	55	1.75	0.072
1502532	Soil		0.5	25.8	10.9	53	0.1	35.7	15.1	523	3.09	5.2	0.7	1.8	4.8	26	<0.1	0.4	0.2	71	0.47	0.048
1502529	Soil		0.2	32.9	8.6	53	<0.1	45.7	17.0	405	2.89	3.4	0.6	1.5	3.1	30	<0.1	0.2	0.2	71	0.52	0.068
1502523	Soil		0.8	43.5	13.2	50	<0.1	22.2	8.7	240	2.66	9.1	1.0	3.0	8.6	23	<0.1	0.7	0.2	60	0.26	0.023
1502518	Soil		0.4	33.7	12.2	62	<0.1	57.3	19.0	420	3.30	4.8	0.6	1.9	3.6	27	<0.1	0.3	0.2	78	0.43	0.064
1502520	Soil		0.5	23.1	9.4	58	0.2	36.7	15.0	334	3.13	5.0	0.7	<0.5	4.3	25	<0.1	0.3	0.1	89	0.37	0.056
1502517	Soil		0.6	26.2	10.1	57	<0.1	40.1	13.7	376	3.05	5.7	0.6	1.5	4.2	26	<0.1	0.4	0.2	70	0.34	0.054
1552619	Soil		1.0	18.6	15.4	59	0.1	22.8	10.8	586	2.46	5.7	0.6	<0.5	3.2	22	0.1	0.3	0.3	66	0.31	0.040
1552603	Soil		0.4	29.0	8.0	50	<0.1	36.9	15.2	329	3.02	6.7	0.9	1.2	4.2	26	<0.1	0.3	0.1	79	0.41	0.093
1552606	Soil		0.5	39.2	7.2	58	0.1	68.8	19.0	440	3.01	3.8	1.3	1.3	2.8	43	0.1	0.3	0.1	74	0.80	0.080
1552609	Soil		0.7	18.7	21.5	62	0.1	26.0	10.3	572	2.22	4.8	1.4	1.0	8.4	44	0.2	0.4	0.3	44	0.66	0.063
1552612	Soil		0.2	34.3	11.9	76	<0.1	78.6	25.7	706	4.15	1.9	1.1	<0.5	6.2	36	<0.1	0.2	0.1	104	0.72	0.123
1552649	Soil		0.6	47.3	18.8	75	<0.1	48.7	18.8	507	3.56	4.4	1.6	1.4	6.4	34	<0.1	0.4	0.4	83	0.53	0.043
1552611	Soil		0.4	34.8	38.3	64	0.3	28.7	13.0	536	2.46	3.8	3.1	2.5	11.0	51	0.2	0.5	0.3	50	0.88	0.099
1552605	Soil		0.4	30.0	9.2	63	0.1	34.4	14.6	585	2.83	4.4	1.6	1.1	4.4	51	0.2	0.3	0.1	66	0.96	0.109
1552650	Soil		0.7	35.9	15.6	59	<0.1	46.8	16.5	438	3.26	5.1	1.3	1.6	5.0	28	<0.1	0.3	0.3	77	0.45	0.047
1552607	Soil		0.5	30.4	8.9	63	0.1	50.7	19.1	987	2.58	2.7	1.3	1.1	3.4	45	0.1	0.3	0.1	61	0.84	0.098
1552613	Soil		0.4	31.5	9.5	62	0.1	37.0	15.8	404	3.30	4.1	0.9	0.9	3.9	30	<0.1	0.2	0.1	87	0.50	0.071
1502514	Soil		0.6	27.9	7.3	53	<0.1	36.3	18.7	753	3.41	4.6	0.8	<0.5	2.7	31	<0.1	0.3	0.1	85	0.42	0.054
1502525	Soil		0.5	35.3	7.7	59	<0.1	42.3	15.2	387	3.50	7.5	0.8	1.9	4.7	33	<0.1	0.5	0.1	81	0.51	0.069
1502528	Soil		0.5	35.6	8.1	45	0.2	30.7	11.1	481	2.48	4.1	1.1	1.8	3.5	44	<0.1	0.4	0.2	58	0.68	0.060
1502515	Soil		0.6	27.5	9.4	51	<0.1	26.4	10.8	288	2.83	9.0	0.6	6.5	5.3	20	<0.1	0.6	0.2	65	0.20	0.023
1502513	Soil		0.4	47.3	14.7	60	0.4	52.9	21.3	1221	4.53	3.8	3.1	2.4	10.3	31	<0.1	0.3	0.3	121	0.49	0.072
1502533	Soil		0.8	21.4	13.5	45	0.2	25.5	12.2	507	2.74	6.1	0.9	0.6	3.9	28	<0.1	0.4	0.3	65	0.42	0.025
1502521	Soil		0.7	17.6	12.3	47	<0.1	26.0	10.6	199	2.82	6.8	0.7	1.4	4.0	23	<0.1	0.3	0.2	64	0.35	0.039

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

CERTIFICATE OF ANALYSIS WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1502516	Soil	13	48	0.63	399	0.093	2	1.90	0.011	0.10	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1502527	Soil	10	41	0.57	390	0.113	2	1.32	0.016	0.14	0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
1502519	Soil	12	49	0.92	374	0.114	2	1.82	0.011	0.21	0.1	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
1502530	Soil	12	70	1.30	722	0.163	1	1.84	0.019	0.32	0.1	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
1502526	Soil	61	36	0.43	1198	0.061	3	1.68	0.024	0.11	<0.1	0.06	6.3	0.2	<0.05	5	0.6	<0.2
1502532	Soil	14	70	1.13	509	0.143	1	2.03	0.017	0.20	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1502529	Soil	9	110	1.58	816	0.203	1	2.10	0.017	0.45	<0.1	0.01	3.1	0.3	<0.05	6	<0.5	<0.2
1502523	Soil	28	36	0.52	539	0.070	2	1.83	0.014	0.06	0.1	0.05	4.1	<0.1	<0.05	5	<0.5	<0.2
1502518	Soil	11	112	1.61	591	0.208	1	2.25	0.013	0.50	0.1	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
1502520	Soil	12	82	1.48	607	0.187	2	1.98	0.012	0.41	0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
1502517	Soil	12	63	1.20	345	0.167	1	2.04	0.013	0.31	0.1	<0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1552619	Soil	11	41	0.65	381	0.102	1	1.65	0.013	0.13	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1552603	Soil	12	73	1.24	602	0.152	<1	1.94	0.016	0.14	0.1	<0.01	4.3	0.1	<0.05	6	<0.5	<0.2
1552606	Soil	12	142	1.71	1096	0.186	1	2.33	0.019	0.39	0.1	0.03	4.8	0.3	<0.05	7	<0.5	<0.2
1552609	Soil	31	51	0.68	506	0.084	2	1.36	0.014	0.14	0.1	0.04	3.4	0.2	<0.05	5	<0.5	<0.2
1552612	Soil	20	157	2.42	1352	0.239	1	2.84	0.017	0.68	<0.1	0.02	6.1	0.2	<0.05	9	<0.5	<0.2
1552649	Soil	24	90	1.58	492	0.201	1	2.52	0.017	0.25	<0.1	0.02	8.0	0.3	<0.05	7	<0.5	<0.2
1552611	Soil	73	43	0.73	600	0.086	1	1.73	0.012	0.21	<0.1	0.07	5.8	0.2	<0.05	5	<0.5	<0.2
1552605	Soil	16	66	1.18	718	0.139	2	1.84	0.015	0.26	0.1	0.04	4.9	0.2	<0.05	6	<0.5	<0.2
1552650	Soil	17	101	1.40	546	0.168	<1	2.28	0.016	0.30	<0.1	0.02	6.5	0.3	<0.05	7	<0.5	<0.2
1552607	Soil	13	93	1.46	1062	0.169	1	1.96	0.015	0.38	<0.1	0.04	4.2	0.2	<0.05	6	0.6	<0.2
1552613	Soil	11	63	1.45	941	0.216	1	2.11	0.013	0.31	<0.1	0.02	3.8	0.2	<0.05	8	<0.5	<0.2
1502514	Soil	10	64	1.38	710	0.186	1	2.28	0.015	0.27	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1502525	Soil	17	76	1.14	625	0.135	1	2.14	0.019	0.15	0.1	0.03	6.5	0.1	<0.05	6	<0.5	<0.2
1502528	Soil	16	58	0.84	1013	0.118	1	1.65	0.021	0.13	0.1	0.04	5.0	0.1	<0.05	5	<0.5	<0.2
1502515	Soil	13	47	0.72	330	0.109	<1	1.89	0.013	0.08	0.1	0.01	4.2	0.1	<0.05	5	<0.5	<0.2
1502513	Soil	56	122	1.81	1222	0.148	2	3.05	0.014	0.16	0.2	0.07	16.7	0.3	<0.05	9	0.6	<0.2
1502533	Soil	16	47	0.67	569	0.107	1	1.66	0.012	0.16	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
1502521	Soil	12	52	0.83	501	0.116	1	1.81	0.012	0.12	0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2

BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 11, 2017

QUALITY CONTROL REPORT WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**	**P**
	Unit	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**
	MDL	**0.1**	**0.1**	**0.1**	**1**	**0.1**	**0.1**	**0.1**	**1**	**0.01**	**0.5**	**0.1**	**0.5**	**0.1**	**1**	**0.1**	**0.1**	**0.1**	**2**	**0.01**	**0.001**
Pulp Duplicates																					
1554815	Soil	0.5	37.4	24.8	77	0.2	51.7	17.2	702	3.60	4.7	2.6	1.5	9.5	48	0.2	0.3	0.4	79	0.77	0.091
REP 1554815	QC	0.6	38.8	25.3	76	0.3	52.8	17.4	746	3.67	5.0	2.6	2.8	9.7	49	0.2	0.3	0.4	81	0.76	0.093
1554809	Soil	0.7	39.6	11.4	68	<0.1	33.7	17.5	414	3.71	6.2	0.8	1.9	2.9	27	<0.1	0.5	0.4	104	0.38	0.028
REP 1554809	QC	0.6	39.5	11.6	67	<0.1	34.1	17.6	437	3.73	6.4	0.7	3.6	2.9	27	<0.1	0.5	0.4	99	0.39	0.029
1502520	Soil	0.5	23.1	9.4	58	0.2	36.7	15.0	334	3.13	5.0	0.7	<0.5	4.3	25	<0.1	0.3	0.1	89	0.37	0.056
REP 1502520	QC	0.5	23.1	9.5	61	0.2	37.5	15.9	343	3.25	5.1	0.7	<0.5	4.6	25	<0.1	0.3	0.1	92	0.41	0.059
Reference Materials																					
STD DS11	Standard	15.0	161.9	136.2	352	1.7	78.5	13.8	1018	3.11	46.6	2.9	98.3	8.1	69	2.7	9.5	13.0	51	1.03	0.077
STD DS11	Standard	14.9	161.2	141.5	348	1.7	78.9	13.7	1040	3.09	45.7	2.9	66.7	8.2	72	2.6	9.6	12.8	50	1.03	0.075
STD DS11	Standard	13.5	161.3	139.7	332	1.7	81.4	13.5	1022	3.17	44.5	2.7	117.3	8.0	68	2.4	9.1	13.0	49	1.00	0.074
STD DS11	Standard	14.6	164.9	144.1	353	1.7	80.8	13.8	1037	3.20	42.1	2.9	102.4	8.2	75	2.5	9.3	12.5	53	1.07	0.071
STD OXC129	Standard	1.2	27.9	6.4	40	<0.1	78.5	20.6	398	2.93	0.6	0.8	194.4	1.9	186	<0.1	<0.1	<0.1	53	0.68	0.108
STD OXC129	Standard	1.3	29.1	6.7	40	<0.1	78.8	20.5	431	3.13	0.5	0.8	195.1	2.0	198	<0.1	<0.1	<0.1	55	0.77	0.111
STD OXC129	Standard	1.2	28.8	6.4	41	<0.1	81.0	20.1	422	3.00	0.5	0.7	192.0	1.7	179	<0.1	<0.1	<0.1	54	0.67	0.104
STD OXC129	Standard	1.2	28.5	6.6	39	<0.1	76.7	19.7	411	3.06	<0.5	0.8	185.4	1.9	204	<0.1	<0.1	<0.1	55	0.78	0.114
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Project: YEL
Report Date: October 11, 2017

QUALITY CONTROL REPORT WHI17000942.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1554815	Soil	42	106	1.56	785	0.128	1	2.48	0.019	0.34	<0.1	0.05	10.5	0.3	<0.05	8	<0.5	<0.2
REP 1554815	QC	41	108	1.55	798	0.130	1	2.45	0.019	0.34	<0.1	0.04	10.8	0.3	<0.05	8	<0.5	<0.2
1554809	Soil	10	64	1.10	340	0.136	1	2.39	0.014	0.15	<0.1	0.01	6.8	0.2	<0.05	7	<0.5	<0.2
REP 1554809	QC	10	65	1.11	328	0.134	2	2.36	0.014	0.15	<0.1	0.02	6.9	0.2	<0.05	7	<0.5	<0.2
1502520	Soil	12	82	1.48	607	0.187	2	1.98	0.012	0.41	0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
REP 1502520	QC	12	85	1.52	599	0.192	1	2.07	0.013	0.41	0.1	0.02	5.3	0.2	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	20	60	0.82	370	0.098	6	1.15	0.072	0.37	3.0	0.24	3.0	4.9	0.26	5	2.4	4.5
STD DS11	Standard	22	61	0.82	387	0.105	8	1.15	0.077	0.38	2.9	0.24	3.3	4.8	0.23	5	2.1	4.6
STD DS11	Standard	19	59	0.84	354	0.095	8	1.11	0.068	0.37	3.0	0.26	3.0	4.7	0.22	5	2.2	4.5
STD DS11	Standard	23	61	0.85	394	0.109	7	1.20	0.078	0.38	2.9	0.25	3.4	4.8	0.21	5	2.3	4.6
STD OXC129	Standard	14	52	1.45	48	0.405	<1	1.50	0.567	0.34	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	14	54	1.51	52	0.418	1	1.65	0.574	0.34	0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	52	1.45	49	0.390	1	1.51	0.569	0.34	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	14	55	1.49	50	0.414	1	1.63	0.589	0.38	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 04, 2017
Report Date: October 17, 2017
Page: 1 of 8

CERTIFICATE OF ANALYSIS WHI17001012.1

CLIENT JOB INFORMATION

Project: YEL
Shipment ID: YEL-20171003-001-SOIL
P.O. Number
Number of Samples: 206

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	206	Dry at 60C			WHI
SS80	206	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	206	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	206	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Ground Truth Exploration Inc.
Box 70
Dawson Yukon Y0B 1G0
Canada

CC: Isaac Fage
Shawn Ryan
Greg Dawson

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1502563	Soil	0.5	32.2	10.1	57	<0.1	44.0	13.7	493	2.99	8.5	0.6	4.4	5.5	33	<0.1	0.6	0.2	64	0.45	0.029
1502577	Soil	0.5	14.9	6.1	55	<0.1	18.0	9.9	371	2.35	4.4	0.3	1.6	2.1	17	0.1	0.3	0.1	60	0.28	0.028
1502582	Soil	0.8	19.6	7.5	42	<0.1	27.7	12.8	432	3.29	7.6	0.4	1.6	3.7	28	<0.1	0.5	0.5	70	0.37	0.019
1502583	Soil	1.1	23.0	14.7	40	0.1	21.1	9.4	864	2.53	6.6	0.4	2.0	4.0	39	<0.1	0.6	0.3	51	0.44	0.035
1502562	Soil	0.5	27.7	12.3	44	0.2	99.3	17.2	429	2.68	4.8	0.3	0.7	2.4	25	<0.1	0.3	0.2	62	0.33	0.024
1502576	Soil	0.7	19.1	8.8	47	<0.1	23.8	10.2	253	2.68	8.4	0.5	5.7	3.4	21	<0.1	0.5	0.2	65	0.32	0.030
1502580	Soil	0.6	21.0	5.6	49	<0.1	21.3	13.4	305	2.85	5.0	0.3	<0.5	1.7	20	<0.1	0.3	0.1	75	0.37	0.039
1502584	Soil	2.1	28.9	11.9	45	<0.1	24.8	11.8	623	2.93	9.4	0.7	1.4	5.4	48	<0.1	0.7	0.7	58	0.48	0.048
1502561	Soil	0.9	12.7	12.2	56	<0.1	54.3	12.8	276	3.41	10.5	0.6	<0.5	6.0	19	<0.1	0.5	0.2	81	0.19	0.027
1502564	Soil	0.8	21.6	10.3	49	<0.1	28.7	11.3	557	2.87	8.4	0.7	0.8	4.7	25	<0.1	0.6	0.2	61	0.31	0.021
1502579	Soil	0.8	23.6	7.2	48	<0.1	24.5	10.6	276	2.85	8.0	0.5	0.9	3.4	21	<0.1	0.6	0.1	70	0.28	0.016
1502585	Soil	3.7	19.9	13.5	36	<0.1	17.5	9.5	414	2.62	6.2	0.6	1.7	4.2	33	<0.1	0.6	0.4	60	0.30	0.023
1502560	Soil	0.7	27.5	12.7	50	0.1	46.2	11.4	474	3.07	50.1	1.0	1.3	3.2	34	0.2	1.7	0.2	70	0.38	0.023
1502555	Soil	0.8	12.9	14.1	53	<0.1	16.5	6.8	525	2.49	8.9	0.4	3.4	2.3	24	0.1	0.6	0.2	56	0.34	0.024
1502578	Soil	0.7	15.7	6.2	44	0.1	19.7	9.6	335	2.38	5.9	0.3	1.3	2.6	24	<0.1	0.4	0.1	62	0.32	0.027
1502581	Soil	0.7	43.2	8.3	53	<0.1	28.9	11.6	337	3.04	8.6	0.6	1.7	3.8	27	<0.1	0.6	0.2	72	0.43	0.035
1554845	Soil	0.9	24.0	18.6	64	0.3	29.1	11.4	437	2.87	5.0	1.2	2.2	5.6	27	<0.1	0.3	0.2	58	0.31	0.051
1554846	Soil	0.4	24.6	17.4	60	<0.1	28.1	10.6	341	2.77	6.1	1.1	<0.5	7.2	26	<0.1	0.3	0.2	55	0.35	0.041
1502554	Soil	0.4	22.8	17.0	75	<0.1	44.2	23.8	719	5.10	3.0	1.8	<0.5	13.4	41	<0.1	0.2	0.2	118	0.62	0.128
1502558	Soil	0.5	24.8	12.0	60	<0.1	35.9	16.8	359	3.93	9.9	0.8	<0.5	6.1	42	<0.1	0.5	0.2	94	0.45	0.039
1554840	Soil	1.1	24.3	13.0	59	<0.1	30.2	13.5	390	3.52	9.5	0.7	0.9	5.4	19	<0.1	0.5	0.2	76	0.22	0.042
1554856	Soil	0.8	25.6	14.4	72	<0.1	43.5	11.6	342	3.60	6.5	0.8	<0.5	3.9	25	<0.1	0.3	0.2	94	0.24	0.039
1554837	Soil	0.3	42.6	11.6	54	0.1	62.4	16.0	512	3.06	5.7	1.7	1.4	3.7	35	<0.1	0.3	0.2	64	0.67	0.053
1502557	Soil	0.4	22.9	10.1	56	<0.1	40.4	14.0	277	3.49	8.2	0.8	1.0	6.0	38	<0.1	0.4	0.1	97	0.43	0.042
1554852	Soil	0.7	17.7	11.2	53	<0.1	25.2	10.8	302	3.10	11.5	0.5	0.6	4.3	21	<0.1	0.6	0.2	70	0.23	0.023
1554838	Soil	0.7	25.1	11.4	51	<0.1	36.5	11.8	451	2.79	8.0	1.2	1.2	4.9	26	<0.1	0.4	0.2	66	0.44	0.041
1554865	Soil	0.5	37.8	11.0	58	0.1	55.0	17.4	445	3.20	5.7	1.0	1.5	4.2	29	<0.1	0.3	0.2	77	0.57	0.083
1502559	Soil	0.6	15.8	11.3	47	0.1	24.9	9.5	296	2.84	10.0	0.7	1.7	3.7	28	<0.1	0.6	0.2	69	0.28	0.018
1554842	Soil	1.0	23.6	11.4	52	0.1	25.2	10.8	413	3.17	9.4	0.9	<0.5	3.9	20	<0.1	0.6	0.2	70	0.23	0.021
1554851	Soil	0.4	28.0	10.3	51	0.1	39.3	14.9	329	3.31	6.9	0.6	1.0	3.1	26	<0.1	0.4	0.2	82	0.32	0.033

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1502563	Soil		17	70	0.84	335	0.118	1	1.67	0.020	0.24	0.1	0.02	5.9	0.2	<0.05	5	<0.5	<0.2
1502577	Soil		7	59	0.61	317	0.093	1	1.59	0.011	0.15	<0.1	<0.01	2.9	0.1	<0.05	5	<0.5	<0.2
1502582	Soil		11	48	0.65	401	0.092	1	1.65	0.015	0.29	0.1	0.04	8.3	0.1	<0.05	5	<0.5	<0.2
1502583	Soil		11	30	0.45	953	0.065	2	1.29	0.020	0.16	0.1	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
1502562	Soil		8	162	1.17	506	0.135	1	2.03	0.015	0.17	<0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
1502576	Soil		11	52	0.62	222	0.096	<1	1.67	0.013	0.17	0.1	<0.01	5.3	0.1	<0.05	5	<0.5	<0.2
1502580	Soil		6	63	0.92	336	0.133	<1	1.98	0.018	0.24	<0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1502584	Soil		19	34	0.49	718	0.071	2	1.58	0.020	0.23	0.2	0.02	6.7	<0.1	<0.05	5	0.5	0.2
1502561	Soil		22	147	1.39	253	0.133	<1	2.11	0.010	0.18	0.2	<0.01	4.2	0.2	<0.05	8	<0.5	<0.2
1502564	Soil		15	48	0.58	404	0.093	1	1.68	0.015	0.14	0.1	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
1502579	Soil		10	45	0.73	257	0.114	<1	1.80	0.014	0.18	0.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
1502585	Soil		13	32	0.43	823	0.042	<1	1.79	0.015	0.10	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
1502560	Soil		16	50	0.47	1946	0.032	<1	1.89	0.016	0.07	0.1	0.08	9.8	0.2	<0.05	5	<0.5	<0.2
1502555	Soil		9	26	0.43	479	0.065	1	1.23	0.011	0.11	0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
1502578	Soil		8	42	0.58	320	0.097	<1	1.52	0.012	0.17	0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
1502581	Soil		14	50	0.83	291	0.128	<1	1.72	0.019	0.26	0.2	0.02	6.7	0.2	<0.05	5	<0.5	<0.2
1554845	Soil		18	41	0.81	615	0.125	1	1.70	0.016	0.35	0.1	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
1554846	Soil		17	44	0.93	508	0.123	<1	1.76	0.015	0.22	0.1	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
1502554	Soil		33	94	2.11	1166	0.242	<1	2.85	0.013	1.15	0.2	0.01	9.3	0.5	<0.05	11	<0.5	<0.2
1502558	Soil		14	69	1.27	950	0.149	<1	2.07	0.016	0.36	<0.1	<0.01	5.8	0.2	<0.05	8	<0.5	<0.2
1554840	Soil		13	53	0.88	339	0.138	1	2.25	0.014	0.25	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1554856	Soil		12	94	1.27	482	0.164	<1	2.30	0.012	0.49	<0.1	<0.01	5.8	0.3	<0.05	8	<0.5	<0.2
1554837	Soil		16	129	1.23	785	0.154	1	2.05	0.020	0.27	0.1	0.02	4.6	0.3	<0.05	6	<0.5	<0.2
1502557	Soil		20	88	1.43	1035	0.163	<1	2.17	0.017	0.32	0.1	0.02	7.3	0.3	<0.05	8	<0.5	<0.2
1554852	Soil		10	43	0.62	312	0.112	1	1.94	0.012	0.12	0.2	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
1554838	Soil		15	82	0.83	411	0.110	1	2.01	0.014	0.10	0.1	0.01	5.2	0.1	<0.05	5	<0.5	<0.2
1554865	Soil		13	116	1.38	718	0.175	1	2.19	0.018	0.34	0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2
1502559	Soil		12	43	0.57	681	0.089	<1	1.69	0.014	0.14	0.1	0.02	4.4	0.1	<0.05	5	<0.5	<0.2
1554842	Soil		13	46	0.76	398	0.117	1	1.93	0.012	0.14	0.1	<0.01	4.0	0.1	<0.05	6	<0.5	<0.2
1554851	Soil		11	81	1.30	613	0.167	<1	2.24	0.015	0.23	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1554861	Soil	0.3	28.0	15.3	62	<0.1	73.2	18.4	604	2.97	2.8	1.1	0.8	7.6	15	<0.1	0.1	0.2	50	0.28	0.065
1502556	Soil	0.4	32.6	9.6	55	<0.1	47.6	18.6	410	4.10	11.7	1.5	<0.5	7.1	51	<0.1	0.6	0.1	106	0.85	0.062
1552502	Soil	0.5	27.2	14.5	61	<0.1	56.3	17.3	497	3.52	5.6	1.8	1.1	5.6	41	<0.1	0.3	0.2	87	0.77	0.068
1552509	Soil	0.6	27.7	15.3	53	<0.1	27.6	10.4	329	2.82	6.5	0.8	2.1	7.3	21	<0.1	0.5	0.2	60	0.27	0.031
1552508	Soil	0.5	17.2	19.9	52	0.2	25.1	8.7	320	2.17	3.9	0.6	3.7	4.2	15	<0.1	0.3	0.3	55	0.17	0.020
1552512	Soil	0.6	7.1	9.7	22	0.1	4.5	1.8	127	0.82	2.6	0.4	1.5	1.3	13	0.1	0.2	0.2	30	0.14	0.027
1554894	Soil	0.8	45.1	15.3	59	<0.1	25.8	13.7	419	3.53	7.9	0.7	2.2	3.4	45	<0.1	0.5	0.2	94	0.35	0.023
1552510	Soil	2.1	44.2	22.5	82	0.2	84.0	15.6	417	3.85	6.2	0.9	1.9	3.8	21	0.2	0.4	0.3	106	0.29	0.043
1552501	Soil	0.4	38.9	44.2	64	0.3	41.8	18.0	718	3.69	4.9	1.8	1.1	5.4	45	0.1	0.3	0.5	95	0.83	0.091
1552506	Soil	0.4	72.3	17.3	65	0.5	51.5	17.3	1152	3.41	6.3	3.7	2.4	7.4	57	0.2	1.0	0.2	75	1.04	0.101
1554889	Soil	0.7	28.5	6.6	47	<0.1	18.9	10.2	364	2.79	6.1	0.3	4.9	2.3	20	<0.1	0.4	0.1	72	0.26	0.016
1552513	Soil	0.8	21.9	18.0	58	<0.1	30.9	12.5	304	3.09	7.8	0.7	1.7	5.3	20	<0.1	0.6	0.3	66	0.23	0.039
1552505	Soil	0.3	41.3	8.8	66	<0.1	69.3	25.6	743	3.77	4.8	0.6	0.9	3.1	32	<0.1	0.3	0.1	101	0.55	0.076
1552507	Soil	0.7	18.9	14.0	60	0.1	27.1	11.5	439	2.93	8.2	0.8	<0.5	7.4	22	0.1	0.6	0.2	59	0.28	0.035
1554883	Soil	0.8	28.8	9.2	52	<0.1	22.5	11.8	373	3.10	9.5	0.8	1.0	4.0	31	<0.1	0.6	0.2	72	0.31	0.020
1552511	Soil	1.3	13.9	13.1	43	<0.1	19.8	9.4	246	3.15	10.2	0.7	2.0	4.5	16	<0.1	0.5	0.2	69	0.17	0.028
1552503	Soil	0.1	36.6	17.8	75	0.2	96.4	22.9	584	4.00	3.5	1.6	1.0	9.1	40	0.1	0.3	0.2	98	0.76	0.079
1552504	Soil	1.1	19.5	18.4	67	0.1	26.0	13.9	426	3.42	9.9	1.0	3.6	7.2	16	0.1	0.6	0.3	74	0.19	0.045
1552531	Soil	0.6	29.5	9.6	54	<0.1	26.1	11.4	372	3.03	10.8	0.7	2.0	5.1	34	<0.1	0.6	0.2	66	0.40	0.012
1552530	Soil	0.8	14.8	10.9	54	<0.1	15.2	7.2	501	2.40	4.6	0.6	<0.5	3.4	28	<0.1	0.3	0.2	49	0.31	0.026
1554892	Soil	1.1	13.9	7.4	41	<0.1	12.2	6.6	218	2.06	9.6	0.6	<0.5	5.0	15	<0.1	0.5	0.1	49	0.24	0.011
1554869	Soil	1.0	17.5	11.1	43	0.1	22.6	9.6	218	2.82	9.3	0.5	3.3	3.3	14	<0.1	0.6	0.2	68	0.13	0.020
1552527	Soil	0.5	123.0	6.6	58	0.2	21.1	13.6	411	3.51	5.4	0.5	3.2	2.2	53	<0.1	0.4	0.1	101	0.81	0.052
1552532	Soil	0.8	12.8	10.7	43	0.2	15.0	6.6	259	2.34	5.9	0.5	0.7	2.8	23	0.1	0.4	0.2	53	0.26	0.025
1554879	Soil	0.4	28.0	36.9	63	<0.1	29.6	10.9	562	2.90	7.0	1.1	2.1	9.2	34	<0.1	0.4	0.5	53	0.47	0.046
1554886	Soil	0.2	14.9	6.2	43	<0.1	21.1	18.7	338	2.83	2.6	0.1	0.9	0.6	23	<0.1	<0.1	<0.1	100	0.41	0.040
1552529	Soil	0.6	23.4	14.9	50	<0.1	26.0	12.1	608	2.87	7.7	0.4	2.5	3.8	25	<0.1	0.4	0.2	68	0.32	0.024
1552528	Soil	0.7	25.2	9.4	49	0.1	22.9	9.6	341	2.76	8.4	0.4	1.2	3.3	20	<0.1	0.5	0.2	69	0.22	0.016
1554896	Soil	2.5	25.2	25.2	40	<0.1	18.7	9.0	358	2.60	11.9	1.0	2.5	6.0	51	<0.1	0.8	0.5	49	0.32	0.042
1554870	Soil	1.1	26.8	13.6	67	0.2	37.8	12.4	666	3.33	16.8	0.6	3.4	4.5	14	<0.1	1.6	0.2	75	0.13	0.024

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1554861	Soil		14	122	1.84	611	0.192	<1	2.40	0.013	0.99	<0.1	<0.01	3.4	0.5	<0.05	7	<0.5	<0.2
1502556	Soil		25	101	1.51	1348	0.138	1	2.23	0.015	0.40	<0.1	0.02	10.4	0.3	<0.05	8	<0.5	<0.2
1552502	Soil		18	140	1.82	813	0.169	1	2.52	0.016	0.38	<0.1	0.02	5.7	0.2	<0.05	8	<0.5	<0.2
1552509	Soil		21	45	0.89	396	0.112	<1	1.93	0.011	0.21	0.1	0.01	3.6	0.2	<0.05	6	<0.5	<0.2
1552508	Soil		14	50	0.68	343	0.106	2	1.39	0.011	0.24	0.1	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
1552512	Soil		13	10	0.13	102	0.055	2	0.47	0.008	0.07	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1554894	Soil		13	45	1.03	553	0.170	2	1.78	0.024	0.52	0.1	<0.01	7.6	0.2	0.05	6	0.6	<0.2
1552510	Soil		13	115	1.57	585	0.140	2	2.38	0.012	0.34	0.1	0.01	6.6	0.2	<0.05	8	<0.5	<0.2
1552501	Soil		22	96	1.60	1201	0.169	2	2.37	0.017	0.44	0.1	0.03	6.4	0.2	<0.05	8	<0.5	<0.2
1552506	Soil		46	71	1.31	1380	0.086	2	2.27	0.019	0.26	<0.1	0.09	9.9	0.2	<0.05	7	0.7	<0.2
1554889	Soil		7	30	0.69	302	0.112	2	1.59	0.015	0.19	0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
1552513	Soil		17	55	0.73	252	0.080	2	2.10	0.013	0.06	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1552505	Soil		9	144	2.01	1107	0.257	1	2.52	0.016	0.52	0.1	<0.01	4.4	0.2	<0.05	8	<0.5	<0.2
1552507	Soil		21	48	0.78	444	0.110	2	1.76	0.012	0.21	0.1	<0.01	3.0	0.2	<0.05	6	<0.5	<0.2
1554883	Soil		13	37	0.62	370	0.107	1	1.66	0.018	0.16	0.1	0.02	6.7	0.1	<0.05	5	<0.5	<0.2
1552511	Soil		14	37	0.48	263	0.072	2	2.25	0.011	0.04	0.1	0.03	3.6	0.1	<0.05	7	0.6	<0.2
1552503	Soil		31	261	2.43	1073	0.157	2	2.75	0.019	0.54	0.1	0.03	11.5	0.3	<0.05	9	<0.5	<0.2
1552504	Soil		22	42	0.73	267	0.097	2	2.49	0.009	0.21	0.1	0.01	4.4	0.3	<0.05	6	<0.5	<0.2
1552531	Soil		14	40	0.57	457	0.093	1	1.78	0.018	0.11	0.1	0.02	7.2	<0.1	<0.05	5	<0.5	<0.2
1552530	Soil		10	25	0.45	526	0.056	2	1.38	0.012	0.18	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
1554892	Soil		11	23	0.40	194	0.056	<1	1.23	0.010	0.15	0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
1554869	Soil		11	38	0.47	272	0.064	1	2.04	0.010	0.05	0.1	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
1552527	Soil		11	25	0.78	1019	0.089	2	1.73	0.025	0.23	0.1	0.04	9.4	<0.1	<0.05	5	<0.5	<0.2
1552532	Soil		9	26	0.40	358	0.059	<1	1.32	0.010	0.10	0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
1554879	Soil		22	43	0.68	544	0.100	1	1.58	0.021	0.29	0.1	0.02	5.5	0.3	<0.05	5	<0.5	<0.2
1554886	Soil		2	77	1.53	459	0.219	<1	1.82	0.015	0.66	<0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
1552529	Soil		9	49	0.62	487	0.107	1	1.60	0.016	0.22	0.1	0.01	4.8	0.1	<0.05	5	<0.5	<0.2
1552528	Soil		9	38	0.57	381	0.093	1	1.73	0.012	0.15	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
1554896	Soil		14	23	0.49	413	0.038	1	1.03	0.016	0.19	0.1	0.02	8.0	0.1	<0.05	4	<0.5	<0.2
1554870	Soil		10	46	0.53	392	0.067	1	2.41	0.012	0.06	0.1	0.03	4.6	0.1	<0.05	6	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1552522	Soil	0.5	25.8	15.1	59	<0.1	48.5	12.8	364	2.86	6.6	0.9	3.9	6.3	45	<0.1	0.4	0.3	63	0.47	0.052
1552526	Soil	1.2	113.8	9.8	54	0.2	25.0	14.0	906	3.03	7.7	1.3	4.6	1.5	62	0.1	0.9	0.2	81	1.10	0.079
1554873	Soil	0.5	27.8	11.1	58	0.1	28.2	10.0	425	2.70	11.4	0.6	2.2	3.6	32	<0.1	0.7	0.2	60	0.51	0.039
1554891	Soil	0.8	15.0	7.1	35	<0.1	17.6	14.1	831	2.48	5.2	0.3	2.0	2.0	21	<0.1	0.4	0.1	64	0.27	0.024
1552692	Soil	0.9	52.4	9.9	43	<0.1	27.3	11.8	265	2.71	5.8	0.3	3.1	1.6	24	<0.1	0.4	0.1	78	0.34	0.022
1552694	Soil	0.8	22.2	10.1	49	0.1	22.5	10.2	350	2.81	9.0	0.5	1.4	3.7	23	<0.1	0.6	0.2	65	0.29	0.016
1552524	Soil	0.9	18.4	13.5	33	<0.1	17.9	7.9	865	2.44	6.5	0.8	1.3	3.0	28	<0.1	0.4	0.3	56	0.34	0.015
1552525	Soil	0.9	18.6	15.6	34	<0.1	19.4	8.7	748	2.35	7.2	0.9	2.2	3.5	28	<0.1	0.5	0.2	54	0.37	0.017
1552699	Soil	0.6	33.9	7.4	81	<0.1	20.1	15.5	421	4.70	7.0	0.9	3.9	2.8	80	<0.1	0.6	0.1	96	1.48	0.307
1552714	Soil	0.4	34.5	8.4	51	<0.1	27.3	12.8	318	3.07	13.8	0.4	4.6	2.8	33	<0.1	0.6	0.1	70	0.54	0.034
1552695	Soil	0.5	49.5	11.2	70	0.1	24.5	11.9	597	3.38	6.4	0.8	5.6	7.4	30	0.1	0.5	0.2	68	0.40	0.037
1552523	Soil	0.6	20.2	15.1	62	<0.1	29.7	10.7	500	2.79	7.2	0.9	3.6	5.2	32	0.1	0.4	0.3	59	0.42	0.030
1552689	Soil	0.7	77.7	6.5	63	0.2	21.0	15.1	331	3.49	6.3	0.3	2.2	1.7	23	<0.1	0.4	0.1	114	0.32	0.031
1552693	Soil	0.8	25.7	8.2	45	0.1	22.5	10.0	313	2.63	8.5	0.4	0.7	2.9	27	<0.1	0.6	0.2	66	0.36	0.019
1552717	Soil	0.7	43.7	10.8	71	<0.1	21.5	18.5	529	4.40	6.4	0.5	1.6	2.5	27	<0.1	0.6	0.2	100	0.43	0.033
1552697	Soil	0.4	41.3	9.8	55	0.1	27.5	10.3	387	2.87	7.7	0.6	2.3	3.6	63	<0.1	0.6	0.2	64	0.86	0.041
1552696	Soil	0.6	33.9	9.8	53	<0.1	24.0	11.8	451	2.77	7.8	0.6	1.3	4.1	42	<0.1	0.5	0.2	67	0.57	0.039
1552698	Soil	0.6	37.5	7.4	76	<0.1	24.8	16.6	607	4.37	7.3	0.5	3.7	3.2	69	0.1	0.6	0.1	101	1.06	0.171
1552716	Soil	0.5	32.4	8.2	58	<0.1	22.3	11.5	340	3.03	7.6	0.5	2.9	3.7	33	<0.1	0.5	0.2	74	0.52	0.036
1552715	Soil	0.4	34.0	7.6	58	<0.1	20.8	10.9	356	3.15	7.6	0.5	2.5	3.0	39	<0.1	0.6	0.1	74	0.64	0.039
1552690	Soil	0.6	115.1	6.8	63	0.2	23.2	13.0	304	3.24	7.8	0.4	3.3	2.5	33	<0.1	0.5	0.1	94	0.36	0.032
1552700	Soil	0.5	32.6	6.8	79	<0.1	19.5	15.1	459	4.68	6.9	0.7	2.1	2.9	83	0.1	0.5	0.1	93	1.61	0.368
1552668	Soil	1.9	14.7	8.2	41	<0.1	19.0	9.4	318	2.78	4.6	1.9	0.6	6.7	35	<0.1	0.3	0.3	70	0.19	0.040
1552666	Soil	0.9	18.9	7.6	41	<0.1	22.1	11.1	253	2.76	8.3	0.5	1.1	5.6	24	<0.1	0.5	0.3	63	0.27	0.018
1552691	Soil	0.4	52.1	7.6	53	<0.1	27.8	12.1	427	2.82	10.7	0.6	5.0	4.4	35	<0.1	0.7	0.2	69	0.47	0.036
1552674	Soil	0.5	24.9	10.4	45	<0.1	24.0	11.9	576	2.93	11.9	0.5	2.4	3.1	42	<0.1	0.6	0.2	70	0.89	0.033
1552670	Soil	0.7	18.6	10.8	48	<0.1	23.8	12.2	435	2.99	6.2	0.4	0.5	2.6	27	<0.1	0.4	0.3	78	0.35	0.025
1552658	Soil	0.6	36.1	11.6	58	<0.1	37.9	12.4	375	2.93	9.8	0.7	2.3	5.3	34	<0.1	0.7	0.2	71	0.49	0.036
1552701	Soil	0.6	27.2	10.4	56	<0.1	23.8	12.9	458	3.72	12.5	0.7	1.4	3.6	63	0.1	0.7	0.2	70	0.96	0.094
1552675	Soil	0.4	26.3	10.5	46	<0.1	24.4	12.2	554	2.91	10.3	0.5	4.2	2.7	50	<0.1	0.5	0.2	68	1.35	0.041

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1552522	Soil	22	98	1.09	741	0.121	<1	1.79	0.021	0.13	0.1	0.03	6.3	0.2	<0.05	6	<0.5	<0.2
1552526	Soil	14	22	0.51	1413	0.024	2	1.50	0.023	0.09	<0.1	0.11	10.1	0.1	<0.05	4	<0.5	<0.2
1554873	Soil	13	35	0.55	709	0.063	1	1.56	0.023	0.07	0.1	0.04	6.7	<0.1	<0.05	4	<0.5	<0.2
1554891	Soil	7	49	0.54	307	0.095	<1	1.54	0.014	0.15	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1552692	Soil	6	63	0.75	286	0.090	<1	1.63	0.019	0.08	0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
1552694	Soil	10	39	0.55	389	0.093	1	1.59	0.014	0.20	0.1	0.02	5.1	0.1	<0.05	5	<0.5	<0.2
1552524	Soil	12	30	0.40	1018	0.052	1	1.55	0.017	0.10	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
1552525	Soil	13	32	0.42	962	0.057	1	1.52	0.016	0.10	0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
1552699	Soil	26	28	1.12	412	0.106	2	1.68	0.032	0.21	<0.1	0.03	8.5	0.1	<0.05	6	<0.5	<0.2
1552714	Soil	11	74	0.96	288	0.114	<1	1.58	0.020	0.28	0.1	0.04	7.2	0.2	<0.05	5	<0.5	<0.2
1552695	Soil	19	43	0.83	673	0.115	3	1.74	0.019	0.46	0.1	0.03	9.2	0.2	<0.05	6	<0.5	<0.2
1552523	Soil	17	57	0.69	630	0.092	2	1.65	0.022	0.12	0.2	0.02	6.0	0.1	<0.05	5	<0.5	<0.2
1552689	Soil	7	25	0.91	711	0.168	2	2.06	0.024	0.31	0.1	<0.01	3.8	0.1	<0.05	7	<0.5	<0.2
1552693	Soil	9	38	0.56	417	0.092	2	1.52	0.018	0.14	0.1	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2
1552717	Soil	10	50	1.00	308	0.106	1	1.84	0.018	0.27	0.2	0.02	11.7	0.2	<0.05	5	<0.5	<0.2
1552697	Soil	15	37	0.69	633	0.094	2	1.59	0.028	0.14	0.2	0.02	6.1	0.1	<0.05	5	<0.5	<0.2
1552696	Soil	14	37	0.75	562	0.107	1	1.54	0.028	0.21	0.2	0.02	6.3	0.1	<0.05	5	<0.5	<0.2
1552698	Soil	18	50	1.31	465	0.122	2	2.09	0.059	0.22	0.1	0.03	10.8	0.2	<0.05	7	<0.5	<0.2
1552716	Soil	13	37	0.87	359	0.130	1	1.85	0.024	0.26	0.1	0.03	6.6	0.1	<0.05	5	<0.5	<0.2
1552715	Soil	12	34	0.84	372	0.118	2	1.73	0.024	0.31	0.1	0.04	7.7	0.1	<0.05	5	0.6	<0.2
1552690	Soil	8	30	0.79	458	0.126	1	2.02	0.016	0.13	0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
1552700	Soil	28	27	1.16	426	0.105	2	1.68	0.036	0.22	<0.1	0.03	8.3	0.1	<0.05	6	<0.5	<0.2
1552668	Soil	25	45	0.89	271	0.110	2	1.71	0.016	0.18	<0.1	<0.01	6.3	0.2	0.09	7	1.5	<0.2
1552666	Soil	14	38	0.58	314	0.101	1	1.69	0.016	0.21	0.1	0.02	7.0	0.1	<0.05	5	<0.5	<0.2
1552691	Soil	17	31	0.66	443	0.092	1	1.48	0.027	0.08	0.2	0.03	6.6	<0.1	<0.05	4	<0.5	<0.2
1552674	Soil	13	49	0.68	634	0.086	2	1.50	0.028	0.23	0.2	0.03	7.4	<0.1	<0.05	5	<0.5	<0.2
1552670	Soil	9	57	0.97	335	0.145	2	1.88	0.019	0.36	<0.1	0.01	4.8	0.2	<0.05	6	0.5	<0.2
1552658	Soil	21	51	0.83	363	0.127	1	1.62	0.030	0.24	0.1	0.03	6.6	0.2	<0.05	5	<0.5	<0.2
1552701	Soil	19	31	0.75	347	0.077	2	1.72	0.030	0.20	<0.1	0.02	7.6	<0.1	<0.05	5	<0.5	<0.2
1552675	Soil	12	54	0.77	663	0.083	2	1.49	0.027	0.25	0.1	0.02	7.8	0.1	<0.05	5	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1552669	Soil	0.8	30.6	8.3	52	<0.1	31.1	11.9	276	3.27	12.5	0.7	2.1	5.1	30	<0.1	0.7	0.3	78	0.37	0.024
1552671	Soil	1.2	11.7	7.1	36	<0.1	15.1	9.9	310	2.92	5.4	0.6	0.6	5.1	36	<0.1	0.4	1.0	67	0.26	0.031
1552702	Soil	0.6	27.3	11.3	53	<0.1	29.2	14.2	317	3.13	7.6	1.4	0.9	6.7	90	<0.1	0.4	0.2	58	1.23	0.049
1552672	Soil	0.5	23.2	5.8	44	<0.1	23.5	12.3	368	3.32	5.7	0.6	2.0	2.3	32	<0.1	0.4	0.3	87	0.58	0.041
1552673	Soil	2.5	10.2	24.4	33	<0.1	15.4	8.9	172	3.72	7.6	1.1	0.9	6.8	81	<0.1	0.8	2.1	41	0.14	0.035
1552667	Soil	1.7	19.1	10.1	44	<0.1	23.0	9.8	291	2.92	8.5	0.8	0.6	6.6	30	<0.1	0.5	0.4	63	0.34	0.033
1552677	Soil	0.5	36.6	16.3	54	0.1	51.0	16.4	671	3.01	27.6	1.1	2.9	2.7	64	0.2	1.6	0.2	69	1.18	0.061
1552687	Soil	1.1	80.5	6.2	59	<0.1	18.8	16.4	407	4.63	7.1	0.5	2.1	2.1	24	<0.1	0.8	0.1	136	0.39	0.051
1552713	Soil	1.2	10.6	9.3	88	<0.1	8.3	19.6	994	5.68	131.9	0.5	1.3	3.0	169	0.2	4.5	<0.1	56	3.46	0.643
1552704	Soil	1.0	33.1	15.0	62	<0.1	34.8	13.6	418	3.13	8.8	0.8	1.9	6.3	34	<0.1	0.5	0.2	60	0.66	0.025
1552680	Soil	0.6	33.5	18.8	57	0.2	36.4	15.0	412	2.95	27.0	1.5	2.7	3.3	61	0.2	1.1	0.2	69	1.02	0.081
1552685	Soil	1.0	42.5	7.7	45	<0.1	18.3	11.5	676	3.35	12.7	0.9	3.2	2.4	23	<0.1	1.1	0.2	87	0.30	0.026
1552515	Soil	0.5	46.6	12.5	73	0.1	88.8	21.4	757	3.85	36.4	0.7	2.2	2.8	47	<0.1	2.1	0.1	84	0.79	0.049
1552703	Soil	1.2	73.2	31.2	63	0.1	94.7	29.5	1014	4.61	3.8	1.4	0.8	4.1	98	0.1	0.4	0.3	117	1.87	0.171
1552679	Soil	0.5	35.4	18.0	65	0.1	60.5	15.0	721	3.00	37.3	1.2	2.3	3.2	72	0.1	1.4	0.2	68	1.01	0.057
1552678	Soil	0.4	46.6	17.7	66	0.1	56.4	15.7	456	2.77	23.0	1.4	1.0	2.4	75	0.2	1.5	0.2	66	1.16	0.057
1552683	Soil	0.9	13.9	13.7	40	0.2	13.3	7.5	213	2.73	8.6	0.5	0.9	3.2	15	<0.1	0.5	0.3	66	0.16	0.015
1552688	Soil	0.9	49.7	8.9	53	0.1	18.6	12.7	385	3.18	6.5	0.3	1.8	2.2	30	<0.1	0.5	0.2	92	0.37	0.032
1552676	Soil	0.4	25.1	12.3	49	0.1	32.0	15.0	757	3.12	25.3	1.3	4.3	2.4	99	0.1	1.3	0.2	67	1.58	0.063
1552681	Soil	0.9	22.7	21.9	58	0.1	27.7	11.1	488	2.50	17.5	1.4	2.8	4.1	43	0.1	1.1	0.4	41	0.66	0.055
1552682	Soil	0.8	11.8	23.6	41	<0.1	13.6	7.0	258	2.20	8.5	0.5	2.9	2.8	15	<0.1	0.5	0.4	50	0.14	0.021
1552684	Soil	0.6	37.6	16.9	75	<0.1	58.4	16.7	790	4.20	51.9	4.5	5.5	7.3	27	<0.1	1.7	0.3	39	0.36	0.070
1552519	Soil	0.7	21.9	14.4	54	<0.1	27.0	11.9	401	3.33	23.8	0.9	3.0	4.7	33	<0.1	1.1	0.2	73	0.40	0.037
1552535	Soil	0.5	41.7	8.2	55	<0.1	24.5	12.6	716	3.05	7.6	0.5	3.2	3.4	37	<0.1	0.6	0.2	73	0.54	0.033
1552520	Soil	1.0	16.4	21.9	53	<0.1	21.7	9.6	254	3.09	12.0	0.6	3.5	3.2	16	<0.1	0.8	0.3	63	0.15	0.019
1552521	Soil	0.5	18.9	8.9	52	<0.1	23.8	8.7	222	2.55	7.8	0.6	3.2	3.5	24	<0.1	0.5	0.2	60	0.30	0.038
1552516	Soil	0.6	61.6	10.0	82	0.1	215.7	26.1	675	4.68	16.9	0.5	1.2	2.6	58	<0.1	0.9	0.1	118	0.75	0.054
1552533	Soil	0.7	42.0	6.6	54	<0.1	22.1	12.1	401	2.95	5.8	0.5	1.9	2.9	31	<0.1	0.5	0.1	77	0.43	0.025
1552534	Soil	0.6	16.9	8.6	48	<0.1	19.5	10.6	314	2.94	6.3	0.4	2.3	2.4	28	<0.1	0.5	0.1	75	0.38	0.022
1552514	Soil	0.6	24.8	13.1	52	0.1	28.2	12.2	790	2.68	28.6	1.2	3.9	3.8	42	<0.1	1.3	0.2	61	0.58	0.043

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1552669	Soil	20	49	0.66	235	0.127	1	1.84	0.019	0.15	0.1	0.03	8.9	0.1	<0.05	5	<0.5	<0.2
1552671	Soil	15	31	0.66	336	0.079	<1	1.51	0.016	0.29	0.2	0.02	5.1	0.2	<0.05	6	<0.5	0.4
1552702	Soil	30	36	0.85	334	0.111	2	1.69	0.024	0.36	0.1	0.02	5.4	0.2	<0.05	5	<0.5	<0.2
1552672	Soil	10	58	1.07	357	0.113	1	1.88	0.028	0.31	0.1	0.05	8.5	0.2	<0.05	6	<0.5	<0.2
1552673	Soil	15	19	0.30	222	0.019	<1	1.01	0.021	0.21	<0.1	0.01	7.0	<0.1	0.23	3	<0.5	0.6
1552667	Soil	15	40	0.57	429	0.095	1	1.77	0.016	0.21	0.1	0.01	6.4	0.1	<0.05	5	<0.5	<0.2
1552677	Soil	14	57	0.56	1405	0.041	2	1.41	0.018	0.09	0.1	0.12	10.7	0.1	<0.05	4	0.6	<0.2
1552687	Soil	8	23	0.52	826	0.054	<1	1.57	0.009	0.18	<0.1	0.01	9.5	0.1	<0.05	6	<0.5	<0.2
1552713	Soil	38	7	0.98	156	0.002	2	0.84	0.007	0.26	0.1	0.20	16.3	0.7	<0.05	2	<0.5	<0.2
1552704	Soil	21	36	0.65	270	0.095	2	1.49	0.020	0.29	0.1	0.04	6.5	0.2	<0.05	5	<0.5	<0.2
1552680	Soil	15	47	0.41	1381	0.019	2	1.37	0.014	0.08	<0.1	0.13	9.5	0.1	<0.05	4	0.6	<0.2
1552685	Soil	9	26	0.37	1409	0.040	1	1.61	0.012	0.05	0.1	0.13	7.7	0.3	<0.05	5	<0.5	<0.2
1552515	Soil	14	88	0.62	1243	0.036	2	1.57	0.014	0.16	0.1	0.14	15.1	0.2	<0.05	5	0.5	<0.2
1552703	Soil	27	174	2.53	597	0.254	2	2.52	0.022	1.44	<0.1	0.01	6.8	0.5	<0.05	10	0.8	<0.2
1552679	Soil	13	58	0.59	1374	0.056	2	1.28	0.018	0.12	<0.1	0.12	9.0	0.2	<0.05	4	<0.5	<0.2
1552678	Soil	16	54	0.58	1236	0.051	2	1.27	0.020	0.09	0.1	0.12	9.5	0.2	<0.05	4	0.6	<0.2
1552683	Soil	11	32	0.40	312	0.053	2	1.98	0.011	0.05	0.1	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1552688	Soil	8	30	0.64	593	0.115	2	1.92	0.017	0.13	0.1	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
1552676	Soil	16	45	0.58	1139	0.043	3	1.22	0.019	0.09	<0.1	0.15	10.3	0.1	0.06	4	<0.5	<0.2
1552681	Soil	12	32	0.36	765	0.007	3	1.02	0.009	0.16	<0.1	0.10	9.2	0.1	<0.05	3	<0.5	<0.2
1552682	Soil	10	25	0.36	330	0.022	1	1.58	0.009	0.06	0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1552684	Soil	13	38	0.12	2015	0.001	3	0.94	0.003	0.17	<0.1	0.07	9.4	0.2	<0.05	3	<0.5	<0.2
1552519	Soil	16	43	0.45	1427	0.035	3	1.64	0.013	0.06	0.1	0.06	7.7	0.2	<0.05	5	<0.5	<0.2
1552535	Soil	14	37	0.79	418	0.125	2	1.69	0.029	0.25	0.2	0.03	6.4	0.1	<0.05	5	<0.5	<0.2
1552520	Soil	11	35	0.46	363	0.052	1	2.17	0.011	0.05	0.2	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
1552521	Soil	12	32	0.48	658	0.052	2	1.93	0.015	0.05	0.2	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
1552516	Soil	13	236	2.19	1079	0.104	2	2.29	0.016	0.33	<0.1	0.08	17.9	0.4	<0.05	7	<0.5	<0.2
1552533	Soil	11	34	0.79	407	0.144	<1	1.63	0.021	0.18	0.2	0.02	5.1	0.1	<0.05	5	<0.5	<0.2
1552534	Soil	9	42	0.79	261	0.122	1	1.68	0.020	0.24	0.1	0.01	4.9	0.1	<0.05	5	<0.5	<0.2
1552514	Soil	17	40	0.50	1547	0.039	2	1.64	0.018	0.08	0.1	0.08	8.5	0.2	<0.05	5	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1552711	Soil	0.7	30.4	11.2	55	0.1	28.2	11.5	422	2.86	55.1	1.0	13.3	7.1	98	<0.1	1.9	0.2	46	2.31	0.087
1552710	Soil	0.5	26.7	10.4	37	<0.1	23.0	9.4	697	2.26	26.4	1.7	3.0	2.2	139	0.1	1.1	0.2	36	1.77	0.050
1552705	Soil	0.4	33.3	18.3	76	0.1	53.5	17.7	624	3.66	9.0	0.8	1.3	5.6	93	0.2	0.4	0.2	75	1.35	0.118
1552517	Soil	0.4	37.6	8.3	74	<0.1	260.9	28.9	689	4.64	19.4	0.5	0.5	2.7	44	<0.1	0.9	0.1	109	0.61	0.036
1552708	Soil	1.2	37.4	17.7	66	<0.1	40.4	15.4	551	3.66	77.6	1.9	3.7	9.4	65	0.2	2.2	0.3	53	1.02	0.079
1552686	Soil	1.1	45.0	12.6	52	0.2	16.8	11.7	292	3.88	7.8	0.3	1.0	1.8	21	<0.1	0.5	0.2	131	0.28	0.024
1552709	Soil	1.0	30.0	12.1	60	0.1	38.8	14.1	550	3.28	8.9	1.1	2.3	7.0	60	0.1	0.6	0.2	59	0.94	0.084
1552518	Soil	0.7	13.6	14.6	41	0.2	18.9	5.9	194	2.11	17.5	0.5	1.1	2.0	24	<0.1	0.7	0.2	58	0.27	0.030
1554893	Soil	0.6	18.2	6.6	49	<0.1	22.4	12.7	357	2.93	6.9	0.5	0.7	3.0	22	<0.1	0.4	0.1	74	0.33	0.034
1554881	Soil	0.8	30.0	19.8	51	0.1	19.2	8.2	398	2.22	10.5	1.5	2.9	4.2	73	0.1	0.7	0.3	44	1.10	0.062
1552712	Soil	0.7	20.9	12.1	50	<0.1	24.1	9.7	339	2.88	59.4	0.6	3.9	5.2	39	<0.1	1.4	0.2	55	0.49	0.023
1552706	Soil	0.5	31.7	16.6	64	<0.1	41.4	16.3	603	3.51	12.2	1.7	1.5	6.3	98	0.1	0.6	0.2	69	1.44	0.085
1554885	Soil	0.7	20.2	7.3	74	0.2	15.3	15.1	1040	3.22	4.3	0.3	<0.5	1.8	32	<0.1	0.3	0.1	73	0.41	0.039
1554872	Soil	0.9	13.4	9.9	38	0.2	19.4	10.1	774	2.37	15.8	0.4	2.2	2.1	18	0.2	0.8	0.2	66	0.21	0.025
1554887	Soil	0.4	12.9	22.1	55	<0.1	19.8	13.7	345	3.07	4.4	0.3	0.5	1.9	22	<0.1	0.3	0.1	83	0.35	0.035
1552707	Soil	0.6	28.8	10.0	47	<0.1	25.4	10.6	347	2.75	10.7	0.7	1.8	5.1	55	<0.1	0.5	0.2	59	0.73	0.033
1554874	Soil	0.8	17.7	24.1	47	<0.1	21.0	7.3	692	2.29	6.6	0.8	2.5	3.5	31	<0.1	0.4	0.4	52	0.34	0.018
1554895	Soil	1.3	21.0	14.7	41	<0.1	21.8	10.1	450	2.68	20.3	0.5	0.7	2.8	28	<0.1	0.8	0.2	60	0.33	0.020
1554888	Soil	0.4	18.3	3.3	54	<0.1	14.5	14.7	287	3.17	3.4	0.3	<0.5	1.4	17	<0.1	0.2	<0.1	74	0.47	0.050
1554877	Soil	0.7	15.2	15.3	46	<0.1	21.4	9.1	412	2.62	7.1	0.6	1.1	4.0	29	<0.1	0.5	0.2	59	0.32	0.016
1554867	Soil	0.7	32.9	13.5	71	<0.1	44.2	16.0	625	4.60	24.3	1.0	3.6	5.7	42	0.1	0.9	0.1	95	0.39	0.079
1554878	Soil	0.6	20.6	13.2	52	<0.1	24.0	9.8	349	2.81	7.9	0.7	1.9	4.5	40	<0.1	0.5	0.2	61	0.49	0.018
1554884	Soil	0.6	33.1	8.2	51	<0.1	22.7	11.7	712	2.89	8.0	0.6	6.4	3.9	43	<0.1	0.5	0.2	69	0.57	0.039
1554890	Soil	0.7	20.4	10.7	51	<0.1	20.2	13.1	616	3.14	5.8	0.4	2.6	2.7	28	0.1	0.5	0.2	75	0.43	0.029
1554897	Soil	2.4	27.6	17.3	56	<0.1	23.3	9.6	498	2.91	59.5	0.7	9.6	3.8	54	0.3	1.6	0.3	55	0.68	0.068
1554876	Soil	0.9	12.9	10.9	46	0.1	25.5	8.9	483	2.59	6.7	0.4	2.7	2.8	24	0.1	0.4	0.2	63	0.22	0.017
1552651	Soil	0.7	18.4	16.0	45	<0.1	20.8	9.0	249	2.68	8.9	0.7	1.7	4.9	25	<0.1	0.6	0.3	61	0.27	0.027
1552655	Soil	0.6	22.7	20.4	53	<0.1	34.3	13.1	816	3.01	6.0	0.8	1.6	8.0	29	<0.1	0.4	0.3	62	0.39	0.041
1554880	Soil	0.4	25.7	15.0	54	<0.1	32.9	12.3	634	3.05	5.7	1.5	3.6	7.5	52	0.1	0.4	0.3	69	0.80	0.055
1554882	Soil	0.3	25.7	11.0	76	<0.1	23.1	19.5	662	4.75	4.4	0.5	0.7	2.4	93	<0.1	0.2	0.1	133	0.70	0.029

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1552711	Soil	28	25	0.70	286	0.038	2	1.13	0.027	0.16	0.2	0.05	5.6	0.1	<0.05	3	<0.5	<0.2
1552710	Soil	14	20	0.48	386	0.033	4	0.92	0.025	0.12	0.1	0.04	4.1	<0.1	0.05	3	0.6	<0.2
1552705	Soil	23	108	1.62	386	0.154	3	1.77	0.024	0.57	0.1	0.03	6.7	0.3	<0.05	7	<0.5	<0.2
1552517	Soil	11	229	1.61	744	0.096	2	2.23	0.021	0.18	<0.1	0.05	15.0	0.3	<0.05	8	<0.5	<0.2
1552708	Soil	37	36	0.76	317	0.069	3	1.44	0.023	0.29	0.1	0.04	6.5	0.2	<0.05	5	0.5	<0.2
1552686	Soil	7	28	0.80	696	0.156	2	2.08	0.026	0.17	<0.1	0.01	4.9	0.1	<0.05	9	<0.5	<0.2
1552709	Soil	29	48	0.87	283	0.092	2	1.56	0.027	0.35	0.1	0.04	6.9	0.2	<0.05	5	<0.5	<0.2
1552518	Soil	12	29	0.35	1127	0.026	<1	1.50	0.010	0.07	0.1	0.04	4.0	0.1	<0.05	5	<0.5	<0.2
1554893	Soil	9	51	0.85	256	0.120	2	1.99	0.021	0.18	0.1	0.01	5.3	0.1	<0.05	5	<0.5	<0.2
1554881	Soil	16	24	0.40	820	0.015	2	1.38	0.020	0.16	0.2	0.09	6.3	0.1	<0.05	4	<0.5	<0.2
1552712	Soil	19	33	0.54	499	0.065	2	1.46	0.026	0.13	0.1	0.03	6.9	<0.1	<0.05	4	<0.5	<0.2
1552706	Soil	29	71	1.18	440	0.139	2	1.69	0.029	0.41	0.1	0.03	6.7	0.3	<0.05	6	<0.5	<0.2
1554885	Soil	7	23	0.79	346	0.166	2	1.93	0.022	0.32	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
1554872	Soil	10	29	0.37	676	0.046	1	1.54	0.011	0.06	0.1	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
1554887	Soil	7	71	1.43	292	0.195	1	2.19	0.018	0.65	0.2	<0.01	4.0	0.2	<0.05	6	<0.5	<0.2
1552707	Soil	29	36	0.64	580	0.098	2	1.60	0.031	0.17	0.2	0.03	6.0	0.1	<0.05	5	<0.5	<0.2
1554874	Soil	15	31	0.49	774	0.039	<1	1.67	0.015	0.10	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1554895	Soil	11	38	0.51	306	0.069	2	1.48	0.025	0.15	0.1	0.01	6.1	<0.1	<0.05	4	<0.5	<0.2
1554888	Soil	4	71	1.78	249	0.194	<1	2.21	0.025	0.83	<0.1	<0.01	4.4	0.2	<0.05	7	<0.5	<0.2
1554877	Soil	12	37	0.52	556	0.077	1	1.71	0.018	0.10	0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1554867	Soil	22	75	0.63	1008	0.076	2	1.50	0.017	0.14	0.1	0.11	15.7	0.2	<0.05	5	<0.5	<0.2
1554878	Soil	13	41	0.55	664	0.083	1	1.75	0.025	0.11	0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
1554884	Soil	16	34	0.61	412	0.114	3	1.55	0.026	0.23	0.1	0.02	6.7	0.1	<0.05	5	<0.5	<0.2
1554890	Soil	9	60	0.77	324	0.111	2	1.79	0.022	0.21	0.1	0.01	5.7	0.1	<0.05	6	<0.5	<0.2
1554897	Soil	17	30	0.55	506	0.056	3	1.36	0.031	0.23	0.1	0.03	6.1	0.1	<0.05	4	<0.5	<0.2
1554876	Soil	10	49	0.52	403	0.079	1	1.59	0.012	0.09	0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
1552651	Soil	14	34	0.56	395	0.080	1	1.65	0.015	0.13	0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1552655	Soil	22	64	0.94	519	0.144	1	1.87	0.021	0.52	0.1	0.01	5.8	0.2	<0.05	6	<0.5	<0.2
1554880	Soil	25	55	0.93	689	0.118	2	1.82	0.026	0.34	0.1	0.02	6.2	0.2	<0.05	6	<0.5	<0.2
1554882	Soil	12	73	2.25	682	0.259	<1	2.63	0.021	0.96	<0.1	0.03	12.2	0.4	<0.05	10	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1554871	Soil	0.9	19.3	12.4	55	0.2	28.2	9.7	460	2.87	14.6	0.5	3.9	2.8	16	<0.1	0.8	0.2	68	0.14	0.021
1552657	Soil	0.6	35.0	15.8	63	0.1	52.6	18.5	399	3.58	7.1	1.0	0.7	5.4	30	<0.1	0.4	0.2	96	0.42	0.036
1552663	Soil	1.3	24.2	9.5	54	<0.1	27.2	11.6	303	3.01	10.0	0.6	6.9	5.9	34	<0.1	0.7	0.3	63	0.40	0.035
1552661	Soil	1.4	24.7	14.3	50	<0.1	25.0	10.6	356	2.99	7.4	1.3	1.0	10.7	49	<0.1	0.5	0.9	59	0.42	0.030
1552660	Soil	1.1	20.0	18.2	45	<0.1	22.9	10.3	523	2.93	16.1	0.6	6.4	5.1	39	<0.1	0.9	0.3	62	0.53	0.018
1552662	Soil	1.6	22.4	10.4	45	<0.1	23.7	10.2	339	2.97	7.2	0.9	0.8	6.9	40	<0.1	0.6	0.7	64	0.40	0.029
1554875	Soil	0.9	17.6	24.9	48	<0.1	22.0	7.7	729	2.27	6.8	0.8	1.6	3.5	31	<0.1	0.4	0.5	53	0.33	0.019
1554868	Soil	0.9	24.4	9.7	52	<0.1	25.8	11.7	383	2.95	14.7	1.3	1.6	4.8	24	<0.1	0.8	0.2	69	0.22	0.024
1552665	Soil	0.8	22.3	7.8	45	<0.1	26.5	10.6	391	2.99	9.1	0.7	2.1	6.4	29	<0.1	0.6	0.4	74	0.35	0.027
1554898	Soil	0.9	32.6	13.0	63	0.1	33.3	11.6	468	2.74	16.6	1.4	2.9	4.5	84	0.3	1.0	0.2	58	1.37	0.101
1554834	Soil	0.4	21.4	15.2	57	<0.1	48.1	15.4	532	2.69	3.7	2.9	1.0	6.0	23	<0.1	0.2	0.2	57	0.44	0.068
1554864	Soil	0.4	37.9	18.0	68	<0.1	58.5	19.3	520	3.45	4.9	1.0	0.8	5.0	35	<0.1	0.3	0.2	87	0.50	0.066
1502565	Soil	0.7	12.6	13.7	41	0.1	20.0	8.2	496	2.34	3.3	0.6	1.0	3.2	28	<0.1	0.4	0.4	52	0.37	0.053
1552659	Soil	0.5	31.7	8.0	48	0.1	26.7	10.2	358	2.47	9.4	0.6	3.5	3.4	102	0.1	0.7	0.1	58	3.39	0.063
1554862	Soil	0.6	19.0	19.8	57	<0.1	79.1	17.7	581	3.06	2.5	0.9	<0.5	4.2	20	<0.1	0.1	0.3	78	0.51	0.069
1554857	Soil	0.6	23.4	10.0	66	0.2	37.9	14.7	490	3.14	4.2	0.9	1.4	3.5	30	<0.1	0.2	0.2	81	0.38	0.064
1554847	Soil	0.6	22.4	16.8	67	0.2	28.3	10.4	471	2.65	5.1	1.4	2.5	4.9	35	0.2	0.3	0.2	55	0.47	0.059
1552664	Soil	1.3	13.4	8.6	38	<0.1	18.6	9.0	233	2.42	7.2	0.7	0.6	5.7	30	<0.1	0.4	0.2	59	0.26	0.021
1552638	Soil	0.7	16.7	23.4	44	<0.1	20.7	7.8	250	2.48	8.1	0.6	4.0	3.5	32	<0.1	0.5	0.3	58	0.38	0.011
1554853	Soil	0.6	19.6	14.4	61	<0.1	22.2	9.2	252	2.73	6.8	1.0	0.9	8.1	24	<0.1	0.4	0.2	55	0.25	0.030
1554839	Soil	0.5	26.1	12.2	56	<0.1	43.3	14.7	433	3.11	6.6	1.0	1.3	5.1	30	<0.1	0.3	0.2	76	0.45	0.051
1552656	Soil	0.7	23.1	19.7	65	0.4	54.0	14.5	763	3.16	4.1	0.6	0.7	3.7	36	<0.1	0.4	0.3	85	0.44	0.023
1552654	Soil	0.7	40.6	34.4	59	<0.1	54.2	19.2	555	3.78	8.4	0.5	1.2	6.7	31	<0.1	0.5	0.3	93	0.45	0.026
1554863	Soil	0.5	30.8	20.4	61	<0.1	57.5	16.4	500	3.09	4.9	1.6	2.3	8.5	26	<0.1	0.4	0.3	72	0.35	0.034
1554849	Soil	0.8	40.6	17.1	45	0.3	39.7	13.5	638	2.92	3.5	1.2	1.9	3.5	25	<0.1	0.2	0.3	71	0.37	0.048
1502574	Soil	0.9	27.5	6.3	53	<0.1	41.4	11.9	291	3.16	5.4	0.3	2.2	2.2	21	<0.1	0.4	0.1	91	0.34	0.021
1552652	Soil	0.6	12.0	10.9	64	0.1	17.0	9.2	1768	2.64	3.0	0.5	0.8	4.2	30	0.1	0.4	0.2	50	0.34	0.079
1554858	Soil	0.4	37.6	9.6	71	<0.1	45.7	17.4	763	3.43	5.9	1.2	1.7	4.7	32	<0.1	0.3	0.1	78	0.37	0.067
1552653	Soil	0.7	12.1	14.5	47	<0.1	17.7	7.0	340	2.23	5.7	0.6	0.8	6.6	20	<0.1	0.3	0.2	49	0.22	0.027
1552639	Soil	0.4	33.6	14.4	52	<0.1	34.4	13.3	435	3.34	9.8	0.9	2.8	6.7	61	<0.1	0.5	0.2	72	0.71	0.041

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1554871	Soil		11	39	0.47	332	0.055	1	1.98	0.010	0.05	<0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
1552657	Soil		16	105	1.40	537	0.185	2	2.43	0.015	0.42	0.1	<0.01	6.9	0.3	<0.05	8	<0.5	<0.2
1552663	Soil		19	41	0.62	341	0.098	1	1.74	0.020	0.18	0.2	0.03	7.0	0.1	<0.05	5	<0.5	<0.2
1552661	Soil		25	33	0.75	580	0.091	1	1.89	0.020	0.28	0.1	0.01	6.8	0.1	<0.05	6	0.8	0.3
1552660	Soil		16	36	0.47	616	0.076	2	1.77	0.020	0.15	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
1552662	Soil		20	39	0.64	665	0.083	1	1.91	0.022	0.18	0.1	0.02	7.1	<0.1	<0.05	6	<0.5	0.2
1554875	Soil		15	31	0.47	764	0.040	<1	1.62	0.014	0.10	<0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
1554868	Soil		18	40	0.54	1136	0.072	2	2.19	0.016	0.05	0.1	0.05	6.6	0.1	<0.05	6	<0.5	<0.2
1552665	Soil		16	43	0.77	411	0.114	2	1.81	0.020	0.28	0.2	0.02	8.5	0.2	<0.05	6	<0.5	<0.2
1554898	Soil		22	44	0.85	343	0.087	3	1.32	0.027	0.30	0.1	0.04	5.1	0.2	<0.05	5	<0.5	<0.2
1554834	Soil		15	84	1.06	437	0.141	1	1.74	0.011	0.32	0.1	<0.01	3.9	0.2	<0.05	6	<0.5	<0.2
1554864	Soil		14	125	1.68	839	0.216	1	2.35	0.021	0.54	0.1	0.01	6.1	0.3	<0.05	7	<0.5	<0.2
1502565	Soil		11	37	0.51	510	0.080	1	1.39	0.019	0.22	0.1	<0.01	3.5	0.1	<0.05	5	<0.5	<0.2
1552659	Soil		15	36	0.84	534	0.092	2	1.34	0.035	0.19	0.2	0.05	4.8	0.1	<0.05	4	<0.5	<0.2
1554862	Soil		10	175	1.73	429	0.198	<1	2.07	0.013	0.47	<0.1	<0.01	4.5	0.3	<0.05	8	<0.5	<0.2
1554857	Soil		12	73	1.18	660	0.192	1	1.99	0.017	0.40	0.1	0.02	4.4	0.2	<0.05	8	<0.5	<0.2
1554847	Soil		17	48	0.87	552	0.118	2	1.67	0.016	0.26	0.1	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
1552664	Soil		15	34	0.56	292	0.087	1	1.54	0.017	0.13	0.1	<0.01	5.2	0.1	<0.05	5	<0.5	<0.2
1552638	Soil		11	35	0.52	432	0.082	1	1.45	0.016	0.11	0.1	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
1554853	Soil		20	35	0.73	328	0.116	<1	1.75	0.011	0.20	0.1	0.01	2.8	0.1	<0.05	6	<0.5	<0.2
1554839	Soil		17	88	1.05	570	0.154	2	1.99	0.017	0.15	0.2	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
1552656	Soil		15	78	0.86	884	0.115	1	2.16	0.018	0.19	<0.1	<0.01	6.0	0.1	<0.05	7	<0.5	<0.2
1552654	Soil		20	135	1.37	822	0.207	1	2.51	0.018	0.73	0.1	<0.01	7.0	0.4	<0.05	7	<0.5	<0.2
1554863	Soil		22	132	1.45	808	0.176	1	2.07	0.014	0.50	<0.1	0.01	6.3	0.3	<0.05	7	<0.5	<0.2
1554849	Soil		17	83	0.88	659	0.138	1	2.05	0.029	0.10	<0.1	0.04	3.7	0.3	<0.05	7	<0.5	<0.2
1502574	Soil		8	101	0.99	229	0.127	1	1.96	0.016	0.16	0.1	<0.01	4.5	0.1	<0.05	6	<0.5	<0.2
1552652	Soil		16	23	0.49	850	0.086	2	1.87	0.017	0.22	0.2	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
1554858	Soil		17	85	1.38	936	0.195	1	2.22	0.015	0.67	0.2	0.01	7.5	0.3	<0.05	7	<0.5	<0.2
1552653	Soil		14	28	0.45	360	0.065	2	1.51	0.009	0.11	0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1552639	Soil		26	56	0.86	827	0.099	2	1.73	0.020	0.22	0.2	0.04	9.2	0.2	<0.05	6	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1552637	Soil	0.5	28.0	26.6	53	<0.1	42.3	14.6	543	3.42	6.5	1.6	1.9	5.6	49	0.1	0.4	0.4	71	0.64	0.032
1554855	Soil	0.8	28.8	11.3	55	0.3	34.4	13.0	514	2.55	4.6	1.5	1.1	2.7	25	0.1	0.2	0.2	71	0.32	0.049
1552635	Soil	0.8	19.2	20.6	54	<0.1	23.8	10.9	425	3.15	9.8	1.0	1.2	4.6	22	0.1	0.6	0.4	71	0.30	0.015
1552640	Soil	0.5	31.0	25.1	54	0.2	34.9	12.1	511	2.64	28.4	1.3	2.3	2.7	107	0.2	1.2	0.3	51	1.71	0.079
1552636	Soil	0.6	20.9	13.8	44	<0.1	24.7	10.1	317	2.70	10.8	0.8	7.7	4.8	29	<0.1	0.6	0.2	60	0.44	0.011
1554859	Soil	0.4	30.5	13.3	61	<0.1	46.1	15.3	364	3.27	5.3	0.8	1.1	5.6	23	<0.1	0.2	0.2	67	0.25	0.038
1554841	Soil	0.6	41.7	7.6	75	<0.1	48.9	21.7	719	3.73	5.2	0.7	1.7	3.3	29	<0.1	0.2	0.1	98	0.40	0.078
1552634	Soil	0.9	17.4	16.2	59	<0.1	21.8	9.5	391	3.09	8.1	0.9	0.6	3.4	20	<0.1	0.4	0.2	74	0.23	0.015
1554848	Soil	0.4	41.0	8.4	69	<0.1	56.2	22.5	589	4.12	3.7	0.6	<0.5	2.6	36	<0.1	0.1	<0.1	104	0.52	0.084
1554836	Soil	0.4	35.2	26.6	60	0.2	71.1	18.1	598	3.07	3.9	1.7	1.3	7.6	36	0.1	0.2	0.3	68	0.62	0.095
1554850	Soil	0.7	45.7	17.4	42	0.3	36.8	12.7	544	2.88	3.8	1.3	<0.5	3.6	24	<0.1	0.2	0.3	70	0.33	0.044
1554860	Soil	0.5	39.1	14.5	71	<0.1	45.9	17.7	565	3.07	4.4	1.0	0.5	4.3	24	<0.1	0.3	0.2	70	0.30	0.034
1502575	Soil	0.8	23.5	7.1	49	<0.1	31.1	10.8	288	2.94	5.2	0.3	<0.5	2.2	20	<0.1	0.4	0.2	82	0.29	0.023
1554854	Soil	0.4	36.7	14.0	61	0.1	43.8	13.8	456	2.88	5.5	1.7	2.9	4.5	37	<0.1	0.3	0.2	73	0.49	0.069
1554844	Soil	0.6	20.7	12.6	55	0.2	35.8	10.7	322	2.50	4.1	0.7	0.7	2.9	26	<0.1	0.3	0.2	68	0.34	0.049
1554843	Soil	0.6	45.2	22.3	80	<0.1	71.2	13.6	449	3.54	8.7	1.5	0.8	5.1	22	<0.1	1.4	0.2	101	0.38	0.048
1502572	Soil	0.7	47.1	8.2	52	<0.1	32.5	11.8	332	2.91	10.5	0.5	4.3	4.1	30	<0.1	0.5	0.2	81	0.47	0.028
1554866	Soil	0.6	32.9	19.0	52	0.2	49.6	15.9	361	3.02	4.8	1.0	1.5	5.2	26	<0.1	0.2	0.2	78	0.47	0.063
1554835	Soil	0.3	45.3	20.6	66	0.2	108.5	22.5	662	3.43	4.5	1.8	1.1	6.7	34	0.1	0.2	0.2	73	0.59	0.119
1502573	Soil	0.8	24.4	6.4	50	<0.1	20.5	14.4	854	2.95	4.5	0.3	0.5	1.8	24	<0.1	0.3	0.1	83	0.29	0.019
1502568	Soil	0.8	19.0	9.9	52	<0.1	21.5	11.9	478	3.02	10.5	0.5	2.3	3.8	22	<0.1	0.6	0.2	70	0.28	0.014
1502569	Soil	0.6	32.2	9.6	53	<0.1	30.3	13.2	519	3.30	11.8	0.6	2.0	4.3	35	<0.1	0.6	0.2	78	0.54	0.015
1502570	Soil	0.5	43.7	10.4	65	0.1	21.3	13.0	497	2.93	6.8	1.3	3.1	2.4	89	0.1	0.4	0.1	66	1.32	0.062
1502571	Soil	0.7	18.0	13.2	47	0.1	21.1	13.1	476	3.03	6.1	0.4	0.7	1.9	37	<0.1	0.4	0.2	77	0.52	0.022
1502566	Soil	0.7	17.8	15.5	50	0.1	24.5	11.0	695	2.89	4.9	0.6	2.2	5.1	30	<0.1	0.3	0.2	60	0.41	0.038
1502567	Soil	0.7	20.5	26.3	51	0.2	38.1	11.7	317	3.08	7.8	0.5	3.3	4.3	25	<0.1	0.5	0.3	79	0.27	0.015

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

CERTIFICATE OF ANALYSIS WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1552637	Soil	23	79	0.88	860	0.087	2	1.97	0.016	0.38	0.1	0.04	8.7	0.2	<0.05	6	<0.5	<0.2
1554855	Soil	12	72	0.98	617	0.130	2	1.81	0.013	0.24	0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
1552635	Soil	12	44	0.57	404	0.087	2	1.74	0.013	0.26	0.1	0.02	7.3	0.1	<0.05	5	<0.5	<0.2
1552640	Soil	14	35	0.47	1149	0.024	3	1.02	0.012	0.10	0.1	0.17	7.9	0.1	<0.05	3	<0.5	<0.2
1552636	Soil	12	36	0.53	610	0.086	1	1.65	0.018	0.09	0.1	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
1554859	Soil	16	98	1.34	455	0.191	2	2.30	0.009	0.32	0.1	<0.01	3.4	0.3	<0.05	7	<0.5	<0.2
1554841	Soil	11	98	1.95	1161	0.253	1	2.65	0.013	0.82	0.2	0.01	4.3	0.3	<0.05	9	<0.5	<0.2
1552634	Soil	10	36	0.50	547	0.066	2	1.72	0.010	0.14	<0.1	0.02	5.4	0.1	<0.05	5	<0.5	<0.2
1554848	Soil	8	125	2.19	1263	0.265	1	2.62	0.015	0.89	0.1	<0.01	4.2	0.4	<0.05	9	<0.5	<0.2
1554836	Soil	27	148	1.47	926	0.163	2	2.19	0.016	0.48	<0.1	0.02	6.6	0.3	<0.05	7	<0.5	<0.2
1554850	Soil	17	80	0.86	594	0.132	2	2.09	0.023	0.08	<0.1	0.04	3.7	0.3	<0.05	7	<0.5	<0.2
1554860	Soil	16	75	1.02	422	0.148	1	2.06	0.011	0.23	<0.1	<0.01	4.8	0.3	<0.05	6	<0.5	<0.2
1502575	Soil	8	71	0.80	213	0.110	2	1.93	0.012	0.12	0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
1554854	Soil	18	73	1.16	848	0.152	1	2.05	0.014	0.27	0.2	0.03	5.5	0.2	<0.05	7	<0.5	<0.2
1554844	Soil	10	60	1.11	454	0.157	2	1.69	0.013	0.38	0.1	0.01	3.5	0.2	<0.05	7	<0.5	<0.2
1554843	Soil	16	136	1.57	698	0.154	<1	2.25	0.011	0.58	<0.1	0.01	9.6	0.3	<0.05	8	<0.5	<0.2
1502572	Soil	15	46	0.79	294	0.116	2	1.84	0.020	0.12	0.2	0.03	7.0	<0.1	<0.05	5	<0.5	<0.2
1554866	Soil	14	120	1.35	559	0.201	1	1.99	0.015	0.32	0.1	0.01	3.4	0.2	<0.05	8	<0.5	<0.2
1554835	Soil	21	187	1.75	1122	0.199	1	2.34	0.015	0.77	0.1	0.01	6.5	0.4	<0.05	8	<0.5	<0.2
1502573	Soil	7	45	0.93	318	0.152	1	1.72	0.015	0.25	0.1	<0.01	3.8	0.2	<0.05	6	<0.5	<0.2
1502568	Soil	11	39	0.54	400	0.090	<1	1.70	0.012	0.16	0.1	0.02	6.7	0.1	<0.05	5	<0.5	<0.2
1502569	Soil	16	44	0.71	391	0.110	2	1.60	0.022	0.16	0.1	0.02	8.5	0.1	<0.05	5	<0.5	<0.2
1502570	Soil	10	34	0.96	705	0.113	2	1.65	0.017	0.39	0.3	0.05	6.2	0.2	<0.05	5	<0.5	<0.2
1502571	Soil	6	59	0.85	390	0.147	2	1.73	0.017	0.35	0.1	0.01	4.0	0.1	<0.05	6	<0.5	<0.2
1502566	Soil	14	42	0.61	468	0.123	2	1.73	0.015	0.43	0.1	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
1502567	Soil	12	64	0.71	587	0.107	<1	1.91	0.012	0.19	<0.1	<0.01	5.5	0.1	<0.05	6	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

QUALITY CONTROL REPORT WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1502556	Soil	0.4	32.6	9.6	55	<0.1	47.6	18.6	410	4.10	11.7	1.5	<0.5	7.1	51	<0.1	0.6	0.1	106	0.85	0.062
REP 1502556	QC	0.3	32.4	9.8	54	<0.1	48.0	18.7	401	4.02	11.7	1.5	<0.5	7.0	50	<0.1	0.6	0.1	102	0.86	0.060
1552525	Soil	0.9	18.6	15.6	34	<0.1	19.4	8.7	748	2.35	7.2	0.9	2.2	3.5	28	<0.1	0.5	0.2	54	0.37	0.017
REP 1552525	QC	0.9	17.7	15.7	35	<0.1	18.5	8.4	763	2.30	6.9	0.8	0.8	3.5	28	<0.1	0.4	0.3	53	0.37	0.016
1552703	Soil	1.2	73.2	31.2	63	0.1	94.7	29.5	1014	4.61	3.8	1.4	0.8	4.1	98	0.1	0.4	0.3	117	1.87	0.171
REP 1552703	QC	1.1	69.0	29.7	61	0.1	90.5	28.9	901	4.24	3.4	1.4	0.7	3.9	97	0.1	0.3	0.3	111	1.78	0.175
1554877	Soil	0.7	15.2	15.3	46	<0.1	21.4	9.1	412	2.62	7.1	0.6	1.1	4.0	29	<0.1	0.5	0.2	59	0.32	0.016
REP 1554877	QC	0.8	15.6	15.5	46	<0.1	21.6	9.4	420	2.69	7.3	0.6	1.2	4.1	31	<0.1	0.5	0.2	60	0.32	0.015
1502574	Soil	0.9	27.5	6.3	53	<0.1	41.4	11.9	291	3.16	5.4	0.3	2.2	2.2	21	<0.1	0.4	0.1	91	0.34	0.021
REP 1502574	QC	0.8	27.0	6.1	53	<0.1	42.0	12.0	299	3.11	4.9	0.3	0.6	2.1	21	<0.1	0.5	0.1	90	0.32	0.020
1502566	Soil	0.7	17.8	15.5	50	0.1	24.5	11.0	695	2.89	4.9	0.6	2.2	5.1	30	<0.1	0.3	0.2	60	0.41	0.038
REP 1502566	QC	0.8	18.9	15.3	48	0.1	25.0	11.2	715	3.02	4.8	0.6	0.8	5.0	30	<0.1	0.3	0.2	61	0.42	0.039
Reference Materials																					
STD DS11	Standard	13.8	150.7	135.7	346	1.7	79.6	13.5	1072	3.29	44.1	2.6	85.2	7.7	73	2.4	9.7	12.3	52	1.03	0.074
STD DS11	Standard	14.8	146.4	136.9	340	1.7	78.1	13.6	1036	3.09	42.7	2.6	69.7	7.8	72	2.2	8.7	12.2	51	1.01	0.068
STD DS11	Standard	13.8	140.1	132.1	333	1.7	76.3	12.9	1046	3.11	41.2	2.5	74.2	7.3	69	2.3	9.4	12.2	49	1.00	0.067
STD DS11	Standard	14.3	153.7	135.2	342	1.7	80.3	14.1	1049	3.14	41.8	2.7	63.1	7.8	68	2.3	9.0	12.0	52	1.00	0.066
STD DS11	Standard	14.1	148.4	140.3	344	1.7	79.4	13.8	1035	3.14	42.5	2.6	75.2	7.7	67	2.3	8.5	11.9	51	1.02	0.068
STD DS11	Standard	13.3	165.8	141.6	352	1.8	78.7	13.5	1048	3.30	45.3	3.0	130.6	8.4	70	2.6	8.4	13.0	53	1.06	0.071
STD OXC129	Standard	1.3	26.8	6.5	43	<0.1	77.2	20.1	433	3.10	0.5	0.7	210.6	1.8	191	<0.1	<0.1	<0.1	54	0.64	0.104
STD OXC129	Standard	1.2	26.0	6.2	41	<0.1	76.2	19.0	409	3.05	<0.5	0.7	206.0	1.8	186	<0.1	<0.1	<0.1	51	0.68	0.098
STD OXC129	Standard	1.2	25.8	6.1	41	<0.1	74.3	19.4	431	2.92	0.6	0.7	196.9	1.8	190	<0.1	<0.1	<0.1	51	0.69	0.099
STD OXC129	Standard	1.2	26.6	6.5	42	<0.1	77.7	20.8	422	3.03	0.7	0.7	190.6	1.9	195	<0.1	<0.1	<0.1	54	0.73	0.099
STD OXC129	Standard	1.3	28.1	6.7	43	<0.1	80.8	20.8	424	3.06	0.7	0.7	186.7	1.9	191	<0.1	<0.1	<0.1	55	0.68	0.095
STD OXC129	Standard	1.3	28.2	6.3	40	<0.1	81.6	21.1	453	3.21	<0.5	0.7	207.1	1.8	195	<0.1	<0.1	<0.1	54	0.69	0.103
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

QUALITY CONTROL REPORT WHI17001012.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1502556	Soil	25	101	1.51	1348	0.138	1	2.23	0.015	0.40	<0.1	0.02	10.4	0.3	<0.05	8	<0.5	<0.2
REP 1502556	QC	25	99	1.48	1329	0.138	2	2.19	0.016	0.38	<0.1	0.02	10.8	0.3	<0.05	8	<0.5	<0.2
1552525	Soil	13	32	0.42	962	0.057	1	1.52	0.016	0.10	0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
REP 1552525	QC	13	31	0.41	939	0.058	1	1.53	0.017	0.10	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1552703	Soil	27	174	2.53	597	0.254	2	2.52	0.022	1.44	<0.1	0.01	6.8	0.5	<0.05	10	0.8	<0.2
REP 1552703	QC	25	166	2.37	581	0.242	2	2.38	0.020	1.36	<0.1	0.01	6.4	0.5	<0.05	10	<0.5	<0.2
1554877	Soil	12	37	0.52	556	0.077	1	1.71	0.018	0.10	0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
REP 1554877	QC	12	38	0.53	561	0.079	1	1.73	0.018	0.11	0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1502574	Soil	8	101	0.99	229	0.127	1	1.96	0.016	0.16	0.1	<0.01	4.5	0.1	<0.05	6	<0.5	<0.2
REP 1502574	QC	8	103	1.00	232	0.126	2	2.01	0.016	0.16	<0.1	<0.01	4.5	0.1	<0.05	6	<0.5	<0.2
1502566	Soil	14	42	0.61	468	0.123	2	1.73	0.015	0.43	0.1	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
REP 1502566	QC	13	42	0.61	453	0.122	2	1.68	0.015	0.43	0.1	0.02	4.2	0.2	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	19	61	0.83	383	0.098	8	1.18	0.070	0.40	3.3	0.26	3.4	4.9	0.25	5	2.1	4.7
STD DS11	Standard	20	60	0.82	360	0.099	8	1.15	0.075	0.40	2.8	0.29	3.5	4.7	0.26	5	2.3	4.4
STD DS11	Standard	20	58	0.83	367	0.094	7	1.15	0.083	0.40	3.2	0.26	3.4	4.9	0.29	5	2.4	4.9
STD DS11	Standard	20	61	0.81	385	0.100	6	1.13	0.071	0.39	3.1	0.25	3.2	4.8	0.26	5	2.7	4.8
STD DS11	Standard	18	60	0.83	371	0.096	6	1.09	0.072	0.38	3.0	0.27	3.4	4.8	0.30	5	2.0	4.4
STD DS11	Standard	21	62	0.83	385	0.098	9	1.16	0.072	0.39	3.1	0.26	3.3	5.0	0.26	5	2.5	5.0
STD OXC129	Standard	13	52	1.55	50	0.395	1	1.61	0.594	0.41	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	50	1.48	48	0.373	<1	1.54	0.617	0.39	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	50	1.51	49	0.379	1	1.58	0.606	0.38	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	53	1.50	50	0.411	1	1.56	0.593	0.38	<0.1	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	54	1.58	52	0.417	1	1.59	0.597	0.37	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	53	1.56	52	0.404	2	1.51	0.584	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: YEL
Report Date: October 17, 2017

QUALITY CONTROL REPORT WHI17001012.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

BUREAU VERITAS MINERAL LABORATORIES Canada
www.bureauveritas.com/um
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Project: YEL
Report Date: October 17, 2017

QUALITY CONTROL REPORT WHI17001012.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Yukon Bedrock Geology - Legend
2016

SOUTHWEST

A

Qs

QUATERNARY

Q **QUATERNARY**: unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

Tvs

MIOCENE TO PLIOCENE AND(?) YOUNGER

Nw **WRANGELL LAVAS:** mafic to felsic volcanic rocks (1) with local conglomerate (2)
1, rusty red-brown, phyric and non-phyric basaltic andesite flows (minor pillow lava), interbedded with felsic tuff, volcanic sandstone and conglomerate; acid pyroclastics related to intra-Wrangell intrusions; thin basaltic andesite and andesite flows **(Wrangell Lavas)**
2, volcanic conglomerate; clasts all Wrangell derived **(Wrangell Lavas)**

Np

MID TO LATE MIOCENE

Mw **WRANGELL SUITE (16-6 Ma):** fine to medium-grained, hornblende ± biotite granodiorite and porphyritic (K-feldspar) hornblende granodiorite; medium-grained, uniform biotite diorite and pyroxene gabbro; subvolcanic hornblende ± biotite rhyolite, rhyodacite, dacite

OLIGOCENE

OT **TKOPE SUITE (64-57 Ma):** light pinkish-grey, medium to coarse-grained, homogeneous, biotite and/or hornblende granite (locally miarolitic); lesser light creamy-grey biotite hornblende granodiorite, dark grey biotite hornblende quartz diorite and gabbro-diorite **(Tkope Suite)**

Tvs

PALEOCENE TO OLIGOCENE

OA **AMPHITHEATRE:** yellow-buff to grey-buff sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone; minor brown-grey carbonaceous shale and thin lignitic coal; mostly fluvial and lacustrine deposits, local debris-flow deposits; some shallow marine **(Amphitheatre Fm; Kulthieth)**

Ep

EOCENE

ES **SEWARD SUITE (52-41 Ma):** non to weakly foliated, light to mid-brownish-grey, medium-grained, biotite and hornblende-biotite tonalite and granodiorite; rarer granite and quartz diorite **(Seward Suite)**

mKp

LATE EARLY CRETACEOUS

EKK **KLUANE RANGES SUITE (124-115 Ma):** mid-grey, medium to coarse-grained, biotite hornblende granodiorite, quartz diorite, quartz monzonite, and hornblende diorite **(Kluane Ranges Plutonic Suite)**

EKP **PYROXENITE CREEK SUITE (124-113 Ma):** medium-grained hornblende pyroxene gabbro, and biotite hornblende diorite; olivine and hornblende clinopyroxenite **(Pyroxenite Creek Ultramafic)**

JKs

UPPER JURASSIC TO LOWER CRETACEOUS

JKD **DEZADEASH:** clastic succession (1) but locally including undifferentiated younger strata (2)
1, interbedded light to dark buff-grey lithic greywacke, sandstone, siltstone, thin dark grey shale, argillite, phyllite and conglomerate; rare tuff **(Dezadeash Fm)**
2, sandstone, conglomerate, shale, siliceous tuff; shallow marine shelf deposits

JKp

LATE JURASSIC TO EARLIEST CRETACEOUS

JKS **SAINT ELIAS SUITE (ca. 154-143 Ma):** nonporphyritic and porphyritic (K-feldspar), biotite hornblende granodiorite; lesser nonporphyritic biotite and/or hornblende tonalite; locally includes biotite hornblende quartz monzodiorite, quartz diorite, granite, and quartz monzonite **(Saint Elias Suite)**

YA (YAKUTAT)

CRETACEOUS AND (?) OLDER

KY **YAKUTAT:** greywacke and conglomerate in thick members or interbedded with siltstone, argillite, or slate; mélange with blocks (to several km) of greenstone, limestone, marble, granitic rocks, chert, and greywacke in a matrix of cherty and tuffaceous pelite **(Yakutat Gp)**

CG (CHUGACH)

KV **VALDEZ:** dark grey argillite and greywacke: includes granitoid dikes, sills, and locally plugs, green pillow lava, breccia, and tuff; metamorphosed equivalents include brown schist, granitoid gneiss and dark green amphibolite **(Valdez Gp)**

WR (WRANGELLIA)

UPPER TRIASSIC TO (?) CRETACEOUS

uŦKT **TATAMAGOUCHE:** dark to light grey phyllite, medium to coarse-grained sandstone, minor greywacke and pebble conglomerate, may include upper parts of McCarthy Fm

LATE TRIASSIC

LŦB **MT. BEATON SUITE (ca. 217 Ma):** medium to coarse-grained, unfoliated, hornblende diorite to hornblende-biotite,quartz diorite; salt and pepper appearance; locally abundant dark grey fine-grained gabbro; may include parts of the Early Cretaceous Kluane Ranges Suite

UPPER TRIASSIC

uŦM **MCCARTHY:** light to dark grey calcareous to carbonaceous mudstone and shale; locally interbedded with buff-coloured limestone giving the rock as striped appearance

UPPER TRIASSIC

uŦC **CHITISTONE:** thin interbedded light to dark grey argillaceous limestone and dark grey argillite; massive light grey limestone, limestone breccia and darker grey, well-bedded limestone; white to creamy-white gypsum and anhydrite **(McCarthy, Chitistone and Nizina limestone)**

uŦN **NIKOLAI:** basalt, andesite (2), basal conglomerate (1) and minor limestone (3)
1, volcanic breccia, pillow lava and conglomerate at base
2, amygdaloidal basaltic and andesitic flows, with local tuff, breccia, shale and thin-bedded bioclastic limestone **(Nikolai Greenstone)**
3, locally includes dark grey phyllite and minor thin grey Middle Triassic limestone

LATE TRIASSIC

LŦK **KLUANE ULTRAMAFIC SUITE (232-228 Ma):** mafic to ultramafic intrusions including peridotite, dunite (1) and gabbro (2)
1, sheeny black peridotite, rare dunite **(Kluane-type Mafic-Ultramafics Gabbro-Diabase Sills)**
2, medium grey-green, massive, medium-grained, pyroxene gabbro and greenstone sills **(Maple Creek gabbro)**

MIDDLE TRIASSIC

mŦH **HOGE CREEK:** dark grey to black siltstone and mudstone; locally limy; grey, thinly-bedded limestone **(Hoge Creek Fm)**; difficult to distinguish from parts of the Hasen Creek Fm

LOWER PERMIAN

CPH **SKOLAI - HASEN CREEK:** fine-grained clastic rocks (1) and carbonate (2)
1, interbedded dark grey and brown-weathered siltstone, mudstone and medium to coarse-grained sandstone; lower part contains volcaniclastic sandstone, tuff and rare basaltic flows; rare dark grey to black chert beds and chert-pebble conglomerate **(Hasen Creek Fm)**

CPHc 2, light to medium grey, massive to bedded limestone; locally fossiliferous; fossils include corals and crinoids - CPHc

MISSISSIPPIAN TO PENNSYLVANIAN

CPS **SKOLAI - STATION CREEK:** volcanic rocks succeeded upward by clastic strata and including minor limestone
1, undifferentiated Skolai Gp; includes variably metamorphosed and deformed Hasen Creek and Station Creek fms; meta-pelite, metavolcanic rocks and marble
2, dark green to black-weathered and fresh basalt flows, pillows, pillow breccia and hyaloclastics; red, magnetite-rich jasper found locally as interstitial material between pillows and within pillow breccia, thick accumulations of laminated jasper rarely occur **(Station Creek Fm)**
3, thinly bedded, laminated to massive chert interbedded with crystal tuff; chert is mainly light to dark grey-banded with local black and dark brown massive beds; tuff ranges from maroon to green, fine grained and laminated with phenocrysts of quartz ± plagioclase **(Station Creek Fm)**
4, interbedded volcanic breccia, agglomerate and volcaniclastic sandstone; dominated by pyroxene-phyric volcanic breccia; rare light grey-weathered, dark green to black, fresh, pyroxene-phyric basalt flows **(Station Creek Fm)**
5, laminated to thinly bedded, light grey to light green volcanic tuff and volcaniclastic siltstone; local crystal rich tuffs interbedded with fine-grained volcanic ash

AXp

PENNSYLVANIAN TO EARLY PERMIAN

CPI **ICEFIELD RANGES SUITE (308-285 Ma):** mid to dark greenish-grey, medium-grained, nonfoliated and foliated, biotite hornblende quartz monzodiorite-quartz diorite-diorite, veined and intruded by leucocratic granodiorite and quartz syenite (agmatite); pink hornblende syenite **(Icefield Ranges Suite)**

AX

DEVONIAN TO UPPER TRIASSIC AND (?) OLDER

DŦI **ICEFIELD:** a grouping of diverse, dominantly upper Paleozoic partly equivalent strata subdivided into three dominant facies including pelitic rocks (1), carbonate (2) and volcanic rocks (3)
1, thin to medium-bedded, fine to medium-grained, quartz-rich, micaceous, calcareous siltstone to sandstone, mica quartzite, or schist; minor interbedded phyllite, argillite and schist; rare limestone, marble, basic volcanic rocks, and gypsum-anhydrite
2, white to creamy-white gypsum and anhydrite; thin-bedded to massive, light grey to dark bluish-grey limestone or marble; minor dark grey calcareous argillite, calcareous siltstone-sandstone; local buff-grey crinoidal limestone
3, dark green (locally purple), porphyritic (augite) and non-porphyritic basaltic to andesitic flows and pillow lava; local volcaniclastic sediments, agglomerate, breccia, cherty tuff, grey limestone or marble, gypsum and basic intrusions

AXp

LATE DEVONIAN

LDSC **STEEL CREEK SUITE (ca. 364 Ma):** massive medium to coarse-grained, rusty grey-green hornblende pyroxene gabbro, minor medium grained gabbro-diabase and gabbro-pegmatite intrusions; rare pods of black peridotite; screens of flows, volcaniclastic rocks, minor argillite, and rare chert **(Mt. Cairnes Gabbro-Greenstone Complex; Steel Creek-Mt Constantine Gabbro Complex)**

AX (ALEXANDER)

SILURIAN AND DEVONIAN

SDB **BULLION:** a grouping of carbonate (1) and clastic (2) strata that may be in part equivalent
1, massive to well-bedded light grey limestone or marble, thin-bedded dark grey limestone or marble; minor dark blue-grey calcareous argillite or phyllite **(Bullion Creek Limestone)**
2, dark blue-grey argillite, phyllite, and minor greywacke siltstone-sandstone; upper part more calcareous, lower part more greywacke; locally may include massive limestone and greenstone

LOWER ORDOVICIAN TO DEVONIAN AND (?) OLDER

ODG **GOATHERD:** a grouping of carbonate (1) and clastic (2) strata that may be in part equivalent
1, yellow to ochre-buff calcareous mudstone-siltstone, grey silty limestone and platy to thick-bedded, cryptocrystalline limestone; local well-bedded, limestone; thick to massive-bedded limestone in upper parts of unit probably equivalent to SDB1 **(Goatherd Mtn. assemblage)**
2, dull rusty-buff or green-grey greywacke siltstone-sandstone, and argillite or phyllite; minor grit; rarer limestone, pebble conglomerate, conglomerate; locally includes quartzite

CAMBRIAN TO ORDOVICIAN AND (?) YOUNGER

ЄOD **DONJEK:** greywacke-greenstone assemblage (1) with minor carbonate (2)
1, massive to well-bedded, coarse to medium-grained greywacke; minor siltstone-sandstone, argillite, phyllite or schist, and basic intrusions; conglomerate, basic flows (some pillowed), pyroclastic rocks(?), and volcanic breccia; greenstone, amphibolite **(N. Alsek Ranges Greywacke-Gabbro assemblage; Donjek Range Greywacke-Greenstone assemblage; Field Creek Volcanics)**

ЄODc 2, light grey to rusty brown laminated silty limestone and limy siltstone, and well-bedded limestone or marble; minor greenstone - ЄODc

TU (TAKU ?)

TRIASSIC - JURASSIC

uŦB **BEAR CREEK:** greenstone (1), metaclastic rocks (2) and local mélange unit (3)
1, fine to medium-grained, strongly foliated to massive intermediate to mafic metavolcanic rocks; greenschist near fault zones; interlayered with metasedimentary rocks and thin carbonate horizons; locally pillowed
2, fine-grained meta-siltstone, mudstone and sandstone; phyllitic to schistose, locally more massive; abundant pyrite cubes observed in mudstone
3, foliated and faulted mélange-like assemblage of medium to dark green, medium to coarse-grained clastic or volcaniclastic rocks and lesser grey chert and mudstone, with local highly foliated, cm to dm scale, cream-coloured layers and lenses of more felsic composition (tuff?)

LATE TRIASSIC

LŦD **DOGHEAD (ca. 205 Ma):** variably serpentinized, deformed and metamorphosed peridotite, gabbro and plagiogranite occurring as klippe overlying Yukon-Tanana terrane, and as isolated metre to 0.5 km-scale lenses (boudin) within Kluane schist near Kluane Lake; gabbro and plagiogranite occur as deformed dikes cutting peridotite

B

Qs

QUATERNARY

Q **QUATERNARY:** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

uKv

UPPER CRETACEOUS

uKC **CARMACKS (DONJEK):** volcanic succession dominated by basic volcanic strata (1), but including intermediate volcanic rocks (2) dominantly at the base of the succession, and locally, basal clastic strata (4) (ca. 72-68 Ma)
1, augite olivine basalt and breccia; hornblende feldspar porphyry andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks **(Carmacks Gp, Little Ridge Volcanics, Casino Volcanics)** - uKCv
2, andesite, porphyry - uKCa
4, medium-bedded, poorly sorted, coarse to fine-grained sandstone, pebble conglomerate, shale, tuff, and coal; massive to thick-bedded locally derived granite or quartzite pebble to boulder conglomerate **(Carmacks Gp, Colorado Creek conglomerate)** - uKCs

ŦJs

JURASSIC

JLmr **MACAULEY RIDGE:** poorly sorted, medium-bedded to massive arkosic sandstone and minor shale with interbeds and thick members of resistant heterolithic pebble and boulder conglomerate; recessive, dark brown weathering, thin bedded, dark brown to greenish, silty shale **(Macauley Ridge fm near Beaver Creek; probable equivalent of Laberge Gp)** - JLmr

MIDDLE TO UPPER TRIASSIC

ŦMC **MIRROR CREEK:** brown to buff weathering, calcareous fine-grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive, light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone **(correlated with Jones Lake Fm northeast of Tintina fault)**

NA (PARAUTOCHTHONOUS NORTH AMERICA ?)

TRIASSIC

ŦGS **SNAG CREEK SUITE (232-226 Ma):** massive, medium-grained hornblende gabbro and pyroxenite sills **(correlated with coeval sills of the Galena suite northeast of Tintina fault)**

DEVONIAN AND MISSISSIPPIAN

DMW **WHITE RIVER:** black carbonaceous and siliceous phyllite and schist (1), and intercalated felsic to mafic metavolcanic rocks (2); extensively intruded by gabbro of the Snag Creek suite (ŦGS) **(correlative with Earn Gp northeast of Tintina fault (?) and Totatlanika schist in eastern Alaska)**
1, carbonaceous muscovite-quartz phyllite, grey psammitic schist, and quartzite - DMWs
2, felsic to mafic metavolcanic schist; quartz and/or feldspar-augen felsic schist; mafic schist locally amygdaloidal - DMWv

LDMB **MOUNT BAKER SUITE (ca. 365 Ma):** metaplutonic suite dominated by orthogneiss of intermediate (g) to mafic (y) compositions
g, strongly foliated to gneissic granodiorite, diorite and monzogranite
y, strongly foliated to gneissic diorite, gabbro and minor pyroxenite

ORDOVICIAN TO DEVONIAN

ODS **SCOTTIE CREEK:** quartzose psammite, pelitic schist and minor marble (1); locally migmatized (2); north of Beaver Creek **(correlative with Lake George assemblage in east-central Alaska)**
1, grey to white quartzite, micaceous quartzite and psammitic quartz-muscovite-biotite ± garnet schist; local metaconglomerate - ODS
2, layered paragneiss with mica-rich melanosome and garnet-bearing quartzofeldspathic leucosome - ODSmm

C

Qs

QUATERNARY

Q **QUATERNARY:** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

TQv

TERTIARY(?) AND QUATERNARY

TQS **SELKIRK:** resistant, brown weathering, columnar jointed, vesicular to massive basalt flows; minor pillow basalt; basaltic tuff and breccia **(Selkirk Volcanics)**

Tvs

PLIOCENE

PW **WALSH:** undivided felsic volcanic rocks (1) and conglomerate, sandstone, and mudstone (2)
1, resistant, white weathering, massive rhyolite **(Walsh Creek fm)**
2, resistant, thick-bedded to massive, well-indurated conglomerate with minor interbedded sandstone; white mudstone with interbedded gritty sandstone and minor coal **(Walsh Creek fm)**

MIOCENE TO PLIOCENE

MPMC **MILES CANYON:** dark red to brown weathering, columnar jointed olivine basalt flows, commonly amygdaloidal and vesicular; ultramafic xenoliths **(Miles Canyon Basalt)**

Ep

EOCENE

EH **HAYDEN LAKE SUITE (54-48 Ma):** salt and pepper, light and dark grey, hornblende, ± biotite diorite to quartz diorite; massive, medium to coarse-grained; rare gabbro; garnet common as crystals 1-10 mm in size

ℙv

PALEOCENE TO LOWER EOCENE

ℙRC **RHYOLITE CREEK (ca. 57 Ma):** felsic (1), intermediate (2) and minor mafic (3, 4) volcanic rocks, basal conglomerate (5)
1, light grey, green, maroon, purple and black rhyolite and dacite; locally flow banded; commonly a breccia with clasts of rhyolite within a crystal-rich matrix; may include intrusive equivalents
2, maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, breccia with clasts of feldspar-rich andesite in a matrix of the same composition; locally includes feldspar porphyry dikes of andesitic composition
3, dark grey to black weathered, very fine grained basalt, geographically limited to areas east of Porphyry Peak
4, undifferentiated Rhyolite Creek volcanic complex; andesite and dacite-rhyolite flows and breccia; minor basalt and basalt breccia
5, basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix

ℙp

PALEOCENE

ℙR **RUBY RANGE SUITE (ca. 64-57 Ma):** medium to coarse-grained equigranular to porphyritic rocks of intermediate composition (g), locally gneissic (gn); fine to coarse-grained, equigranular and porphyritic granitic rocks of felsic composition (q) and felsic dike rocks (f); gabbro (gb)
f, orange and buff weathering light-coloured feldspar porphyry dike and flow rocks of intermediate to acidic composition - ℙfR
g, biotite-hornblende granodiorite (locally K-feldspar megacrysts), quartz monzonite, quartz diorite; hornblende and biotite hornblende diorite; biotite quartz feldspar porphyry and porphyritic biotite quartz monzonite **(Ruby Range batholith)** - ℙgR
q, leucocratic, biotite granite; miarolitic alaskite; saccharoidal textured, mafic-poor biotite granite; biotite-hornblende granite to leucocratic granodiorite with sparse, white, alkali feldspar phenocrysts; biotite quartz monzonite **(Annie Ned granite)** - ℙqR
gb, gabbro - ℙgbR
gn, minor granodiorite-gneiss - ℙgnR

uKv

UPPER CRETACEOUS

uKC **CARMACKS:** volcanic succession dominated by basic volcanic strata (1), but including intermediate (2) and locally felsic volcanic rocks (3) dominantly at the base of the succession, and locally, basal clastic strata (4); rare gabbro (5) (ca. 72-68 Ma)
1, augite olivine basalt and breccia; hornblende feldspar porphyry andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks **(Carmacks Gp, Little Ridge Volcanics, Casino Volcanics)** - uKCv
2, andesite, porphyry - uKCa
3, acid vitric crystal tuff, lapilli tuff and welded tuff including feeder plugs and necks; felsic volcanic flow rocks and quartz feldspar porphyries; green and purple massive tuff-breccia with feldspar phyric fragments **(Carmacks Gp, Donjek Volcanics, some rocks formerly mapped as Mt. Nansen Gp;** the felsic part of the Carmacks Gp is difficult to distinguish from similar Tertiary and mid-Cretaceous (Mt. Nansen) felsic volcanic strata) - uKCf
4, medium-bedded, poorly sorted, coarse to fine-grained sandstone, pebble conglomerate, shale, tuff, and coal; massive to thick-bedded locally derived granite or quartzite pebble to boulder conglomerate **(Carmacks Gp; Colorado Creek Conglomerate)** - uKCs
5, gabbro and monzonite bodies near Carmacks - uKCg

uKT **TLANSANLIN:** fine-grained basalt and basaltic andesite; plagioclase and hornblende-phyric andesite, dacite; welded lapilli tuff (ca. 78-74 Ma)

uKW **WINDY-TABLE:** resistant, columnar jointed, quartz-phyric dacite flows, ash and lapilli tuff; maroon weathering, basal sedimentary and epiclastic rocks; dacite flows and flow breccia; brown basalt flows; includes dikes of quartz feldspar porphyry (ca. 85-80 Ma) **(Open Creek Volcanics)**

LKp

LATE CRETACEOUS

LKP **PROSPECTOR MOUNTAIN SUITE (72-68 Ma):** grey, fine to coarse-grained, massive, granitic rocks of felsic (q) intermediate (g) rarely mafic (d) composition and related felsic dikes (f)
d, coarsely crystalline gabbro and diorite
g, hornblende-biotite granodiorite, hornblende diorite, quartz diorite **(Wheaton Valley granodiorite; Katrina Creek suite)**
q, quartz monzonite, biotite granite, quartz-rich granite; porphyritic alaskite and granite with plagioclase and quartz-eye phenocrysts; biotite and hornblende quartz monzodiorite, granite, and granodiorite with local alkali feldspar phenocrysts **(Prospector Mountain Suite, Carcross pluton)**
y, syenite
f, quartz-feldspar porphyry

LKC **CASINO SUITE (79-72 Ma):** grey, fine to coarse-grained, massive, granitic rocks of intermediate (g) composition and related felsic dikes (f)
g, hornblende-biotite granodiorite, hornblende diorite, quartz diorite **(Wheaton Valley granodiorite)**
f, quartz-feldspar porphyry

LKg **UNDIVIDED SUITE - COAST MOUNTAINS:** fine to coarse-grained granitic rocks of intermediate (gd) composition and probaly related orthogneiss
gd, fine to coarse-grained hornblende diorite to tonalite with abundant garnet; locally grading into garnet amphibolite; gabbro
gn, medium to coarse-grained, mylonitic to weakly deformed, biotite, quartz ± garnet, orthogneiss; dark grey weathered, dark and light grey banded fresh; commonly interlayered with biotite schist or amphibolite of Snowcap assemblage (YT); inferred Late Cretaceous, but could be as old as Permian (?)

KS (KLUANE)

MESOZOIC

KK **KLUANE SCHIST:** dark purplish brown staurolite cordierite biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist; minor quartzite **(Kluane Schist)**
1, undifferentiated Kluane Schist
2, dark grey to black, fine-grained, quartz-biotite schist; local garnet and plagioclase porphyroblasts
3, light to dark grey, fine-grained, quartz-muscovite schist; variably carbonaceous; rare light grey carbonate lenses may be part of Snowcap or Finlayson assemblages of Yukon-Tanana terrane
4, gneissic equivalents of Kluane Schist and undifferentiated Yukon-Tanana terrane; migmatite, paragneiss and orthogneiss near the lower contact between Ruby Range batholith and Kluane Schist

ŦKs

ŦKB **BLANCHARD RIVER:** metasedimentary schist and paragneiss in the Coast plutonic complex
1, medium to coarse-grained, orange weathered, dark grey to black, biotite-quartz-feldspar ± kyanite-sillimanite paragneiss; fine-grained, banded grey to dark grey metasedimentary rock
2, fine to medium-grained, garnet-biotite schist and metasedimentary rocks; brown to rusty weathered, dark grey fresh; layers variably richer in quartz or biotite; may result from low-grade metamorphism of part of the Dezadeash Fm

mKs,v

LOWER CRETACEOUS

mKN **MOUNT NANSEN:** massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dikes, sills and breccia **(Mount Nansen Gp, Byng Creek Volcanics, Hutshi Gp)**

lKIR **INDIAN RIVER:** clast-supported pebble to cobble conglomerate with clasts of vein quartz and foliated quartzite; coarse-grained sandstone; minor tuff

mKp

EARLY CRETACEOUS

mKW **WHITEHORSE SUITE (112-105 Ma):** grey, medium to coarse-grained, generally equigranular granitic rocks of felsic (q), intermediate (g), locally mafic (d) and rarely syenitic (y) composition
d, hornblende diorite, biotite-hornblende quartz diorite and mesocratic, often strongly magnetic, hypersthene-hornblende diorite, quartz diorite and gabbro **(Whitehorse Suite, Coast Intrusions)**
g, biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts **(Whitehorse Suite, Casino granodiorite, McClintock granodiorite, Nisling Range granodiorite)**
q, biotite quartz-monzonite, biotite granite and leucogranite, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite **(Mt. McIntyre, Whitehorse plutons, Casino intrusions, Mt. Ward granite, Coffee Creek granite)**

EKp

EKT **TESLIN SUITE (123-115 Ma):** leucocratic, fine to coarse-grained, equigranular, hornblende-biotite granite, granodiorite, quartz monzonite and quartz monzodiorite, locally with sparse grey and pink potassium feldspar phenocrysts; associated aplitic phases and dikes **(Deadman Creek batholith)**

JKs

UPPER JURASSIC AND LOWER CRETACEOUS

JKT **TANTALUS:** massive to thickly bedded chert pebble conglomerate and gritty quartz-chert-feldspar sandstone; interbedded dark grey shale, argillite, siltstone, arkose and coal; at one locality includes red-weathering dacite to andesite flows at base **(Tantalus Fm)**

MJp

MIDDLE JURASSIC

MJB **BRYDE-BENNETT SUITE (178-160 Ma):** undeformed granitic rocks of predominantly felsic (q) and intermediate composition (g); rare syenite (y)
q, medium to fine-grained, equigranular, leucocratic monzonite, syenite and granite and related dikes of dacite to andesite porphyry with euhedral andesine, hornblende and locally quartz in aphanitic greenish, or grey groundmass **(Teslin Crossing stock)**
g, medium-grained, hornblende monzodiorite, hornblende-biotite quartz monzodiorite and minor hornblendite; pink, potassium feldspar megacrystic, hornblende granite to granodiorite and associated easterly trending mafic dike swarms **(Mt. Bryde pluton; Bennett granite; McGregor pluton)**
y, coarse-grained to pegmatitic phlogopite-muscovite syenite **(Marsh Lake pluton)**

lmJs (WHITEHORSE TROUGH)

LOWER TO MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN

JLr **LABERGE:** predominantly turbiditic sandstone-siltstone-mudstone in the south (1) passing to shallow-marine sandstone-shale-conglomerate in the north (2)
1, well-bedded, turbiditic sandstone-siltstone-mudstone; dark weathering, massive to finely laminated mudstone and limy mudstone; thick-bedded to massive lenses of polymictic cobble to boulder conglomerate; lithic sandstone; minor limestone **(Laberge Gp, Richthofen fm)** - JLr

JLt 2, poorly sorted, medium-bedded to massive arkosic sandstone and minor shale with interbeds and thick members of resistant heterolithic pebble and boulder conglomerate; recessive, dark brown weathering, thin-bedded, dark brown to greenish, silty shale **(Laberge Gp, Tanglefoot fm)** - JLt

LOWER JURASSIC, PLEINSBACHIAN TO TOARCIAN

lJN **NORDENSKIOLD:** resistant, reddish brown weathering, massive, khaki-green dacite crystal tuff and volcaniclastic sandstone, with fresh plagioclase, hornblende and biotite; grades locally to pale green, punky weathering, salt and pepper textured, massive lithic sandstone; interbedded conglomerate **(Nordenskiold dacite)**

CC (mŦlJs)

MIDDLE TRIASSIC TO LOWER JURASSIC

mŦlJC **CACHE CREEK:** well bedded ribbon chert interbedded with shale, siltstone and greywacke **(Cache Creek Gp; equivalent in part to Laberge Gp)**

CC (CACHE CREEK)

MIDDLE TRIASSIC

mŦK **KUTCHO:** dark grey, fine-grained siltstone; buff, coarse-grained calc-lithic sandstone; green-grey wacke to pebble polymictic orthoconglomerate; fine-grained siltstone locally interbedded with thin, argillaceous limestone beds; carbonate-rich debris flows and rare olistoliths(?) **(Michie fm)**

CARBONIFEROUS TO TRIASSIC

CŦC **CACHE CREEK:** oceanic assemblage of ultramafic rocks (1), volcanic rocks (2), carbonate (3) and ribbon chert (4)
1, dark rusty to dun brown weathering, strongly magnetic, variably tectonized, serpentinized and chloritized ultramafic rocks including medium to coarse-grained hornblende-pyroxene diorite gabbro, peridotite, dunite, serpentinite, and pyroxenite **(Cache Creek Gp, Nahlin complex)** - CŦCum
2, andesitic and basaltic spherulitic greenstone, locally pillowed; aphanitic, tuffaceous(?) greenstone with clasts of limestone and chert; altered volcanic rocks with numerous serpentine bodies; massive, fine-grained metabasite and hornblende diorite **(Cache Creek Gp, Nakina Fm)** - CŦCv
3, massive, finely crystalline, locally crinoidal and fusiline grey limestone; limestone, limestone breccia; massive to poorly bedded, medium-grained, recrystallized white to pale yellow limestone and crinoidal bioclastic limestone; rare dolostone **(Cache Creek Gp, Horsefeed Fm)** - CŦCc
4, resistant, well-bedded, thin-bedded, grey, black, red and brown chert, with lesser cherty sandstone and siltstone; minor thin limestone beds and pillow lava **(Cache Creek Gp, Kedahda Fm)** - CŦCs
5, light grey to grey-green, medium to coarse-grained to porphyritic gabbronorite; medium-grained clinopyroxenite; fine to medium-grained diorite; olivine-phyric diabase **(Marsh Lake complex)**

CŦCum

CŦCc

EJp (ST, QN, YT)

EARLY JURASSIC

EJL **LONG LAKE SUITE (192-180 Ma):** intermediate (g) to felsic (q) granitoid rocks
g, medium to coarse-grained, massive to weakly foliated biotite-hornblende granodiorite, with local K-feldspar megacrysts
q, massive to weakly foliated, fine to coarse-grained biotite, biotite-muscovite and biotite-hornblende quartz monzonite to granite, including abundant pegmatite and aplite phases; commonly K-feldspar megacrystic **(Aishihik batholith)**

LATE TRIASSIC - EARLY JURASSIC

LŦEJM **MINTO SUITE (204-195 Ma):** mostly intermediate (g) to felsic (q) granitoid rocks but locally grading to syenite (y) or hornblende gabbro (gb)
g, medium to coarse-grained, foliated biotite-hornblende granodiorite; biotite-rich screens and gneissic schlieren; foliated hornblende diorite to monzodiorite with local K-feldspar megacrysts **(Minto, Granite Mountain, Tatchun plutons)**
q, massive to weakly foliated, fine to coarse-grained biotite, biotite-muscovite and biotite-hornblende quartz monzonite to granite, including abundant pegmatite and aplite phases; commonly K-feldspar megacrystic
y, resistant, dark weathering, massive, coarse to very coarse grained and porphyritic, mesocratic hornblende syenite; locally sheared, commonly fractured and saussuritized; locally has well developed layering of aligned pink K-feldspar tablets **(Big Creek syenite)**
gb, hornblende gabbro; locally pegmatitic

STp

MESOZOIC

Mg **MESOZOIC GRANITIC ROCKS UNDIVIDED:** poorly described granitic rocks of uncertain age including diorite, quartz monzonite, and monzonite; also in Quesnellia (QN)

LATE TRIASSIC

LŦS **STIKINE SUITE (220-206 Ma):** coarse-grained, foliated, gabbroic hornblende orthogneiss; coarse-grained hornblende-biotite granite and granodiorite with K-feldspar megacrysts; foliated, fine to medium-grained hornblende quartz diorite to diorite with minor biotite **(Tally Ho leucogabbro, Friday Creek diorite, King Lake granite)**

ST (STIKINIA)

UPPER TRIASSIC, CARNIAN TO NORIAN

uŦAc **AKSALA:** mixed clastic-carbonate assemblage divisible into three dominant facies including calcareous greywacke (1), locally thick carbonate (2) and red-coloured clastic rocks (3) **(Lewes River Gp, Aksala fm)**
1, brown shale, black and minor red siltstone, greenish, calcareous greywacke and interbedded bioclastic, argillaceous limestone; igneous or limestone-clast pebble and cobble conglomerate; lahar debris flows; rare feldspar-augite porphyry flows **(Casca mb of Aksala fm)** - uŦAc
2, massive to thick-bedded limestone; minor thin-bedded argillaceous to sooty limestone; coarsely crystalline, massive dolostone; minor laminated chert; massive to poorly bedded, limestone conglomerate debris flows and fanglomerate **(Hancock mb of Aksala fm)** - uŦAh
3, red weathering, medium-bedded, green and red greywacke and pebble conglomerate; red shale partings and minor interbedded, red, bioturbated siltstone; crystal-rich greywacke and shale; coarse-grained, tan to brown, massive, lithic arenite **(Mandanna mb of Aksala fm)** - uŦAm

uŦAh

uŦAm

UPPER TRIASSIC, CARNIAN AND OLDER (?)

uŦP **POVOAS:** augite or feldspar phyric, locally pillowed andesitic basalt flows, breccia, tuff, sandstone and argillite; local dacitic breccia and tuff with minor limestone; greenschist, chlorite schist, chlorite-augite-feldspar gneiss, amphibolite **(Lewes River Gp, Povoas fm)**

MIDDLE TRIASSIC

mŦJ **JOE MOUNTAIN:** basalt (1) and subvolcanic mafic intrusion (2)
1, massive basalt flows; fine to locally medium-grained feldspar and pyroxene?-phyric, pillowed andesite; variably altered massive microdiorite; heterolithic diamictite **(Joe Mountain fm)** - mŦJ

mŦdJ 2, coarse-grained and locally pegmatitic, hornblende gabbro and diorite - mŦdJ

UPPER PALEOZOIC

uℙT **TAKHINI:** variably sheared and metamorphosed metabasite, amphibolite gneiss, tuff, wacke and marble with minor quartz mica schist and orthogneiss

C

QN (QUESNELLIA)

UPPER TRIASSIC TO LOWER JURASSIC

uŦJS **SEMENOF:** augite-phyric basalt, andesite and volcaniclastic rocks (1), minor carbonate (2), shale sandstone and volcaniclastic rocks (3)
1, augite-phyric basalt flow and agglomerate, andesite; minor(?) augite-feldspar crystal tuff; minor volcanic breccia with clasts of augite (feldspar) porphyry **(Semenof fm)** - uŦJSv
2, limestone; conglomerate - uŦJSc
3, augite-bearing sandstone and lesser siltstone and mudstone, possibly resedimented pyroclastic deposits **(equivalent to Shonektaw Fm, northern B.C.)** - uŦJSs
4, poorly exposed, felsic volcanic/subvoclanic complex near Teslin - uŦJSr

uŦJSc

LOWER AND MIDDLE PENNSYLVANIAN

uCB **BOSWELL:** assemblage of recessive mixed clastic strata and minor volcanic rocks (1), altered mafic volcanic rocks and minor gabbro (2), limestone (3); possibly equivalent to the Klinkit assemblage of Yukon-Tanana?
1, recessive, dark weathering, siliceous argillite, siltstone, arkosic sandstone, chert pebble to boulder conglomerate and breccia, volcanic breccia **(Boswell fm)** - uCBs
2, resistant, massive, dark green, altered basalt, volcanic breccia and greenstone; amphibolite; foliated volcanic lithic sandstone; local rhyodacite porphyry and breccia **(Boswell fm)** - uCBv
3, white weathering, massive to thick-bedded, resistant, grey, micritic limestone; bioclastic limestone; marble **(Boswell fm)** - uCBc

uCBc

QNp

LATE MISSISSIPPIAN TO PENNSYLVANIAN

PgK **KELLY SUITE (335-310 Ma):** strongly foliated, dark grey to dark green, fine to medium-grained, equigranular hornblende ± biotite tonalite; hornblende diorite to granodiorite

QN

UPPER DEVONIAN TO LOWER MISSISSIPPIAN

uDMM **MOOSE:** mafic volcanic rocks (1), carbonate (2), and intermediate volcanic rocks (3)
1, dark green, fine-grained massive and pillow basalt; green conglomerate sandstone with volcanic and sedimentary clasts; medium-grained plagioclase-phyric diorite; dark green to black schistose amphibolite and greenstone; garnet amphibolite; plagioclase-phyric greenstone; white marble; locally, coarse-grained, altered pyroxenite; serpentinite **(Moose fm)** - uDMMv
2, light grey massive limestone; medium to coarse-grained, white and grey streaky marble **(Moose fm)** - uDMMc
3, intermediate volcanic and volcaniclastic rocks - uDMMa

uDMMc

PŦJs

JURASSIC

JFP **FARO PEAK:** conglomerate (1), sandstone, argillite (2), shale, limestone (3), and minor basalt (4)
1, resistant, massive polymictic conglomerate; clasts include quartzite, chert, limestone and serpentinite; detrital micas in matrix **(Faro Peak fm)**
2, interbedded cherty argillite, chert, sandstone and mafic greywacke and conglomerate
3, dark grey carbonaceous, locally calcareous, shale and siltstone interbedded with medium to dark grey micritic limestone **(Faro Peak fm)**
4, massive, dark green aphanitic basalt **(may be equivalent to Campbell Range fm, Slide Mountain terrane)**

MIDDLE PERMIAN TO TRIASSIC

PŦSL **SIMPSON LAKE:** synorogenic conglomerate, sandstone (1), basalt (2), felsic volcanic rocks (3), and minor limestone (4) **(Simpson Lake gp)**
1, red-brown to pale green polymictic conglomerate, pale green sandstone, dark grey siltstone and shale - PŦSLs
2, massive, aphanitic basalt - PŦSLv
3, rare felsic volcanic rocks, middle to late Permian - PŦSLf
4, minor limestone - PŦSLc

PŦSLc

MIDDLE TO LATE PERMIAN

PS **SULPHUR CREEK (ca. 264-252 Ma):** variably folitated granitoids of felsic (q) to intermediate (g) composition
q, variably foliated, K-feldspar augen granite, metaporphyry; coarse-grained, homogeneous, hornblende-biotite-bearing granite **(Sulphur Creek orthogneiss)**
g, granodiorite and quartz-monzonite **(Sulphur Creek orthogneiss, Ram stock)**

MIDDLE TO UPPER PERMIAN

PK **KLONDIKE:** felsic metavolcanic rocks (1) intercalated with metaclastic rocks (2) and minor intermediate to mafic metavolcanic rocks (3)
1, tan to rusty and black weathering quartz-muscovite-chlorite schist; quartz and/or feldspar augen-bearing quartz-muscovite (chlorite) schist; locally includes augen gneiss **(Klondike Schist)** - PKf
2, silvery grey muscovite chlorite quartz phyllite, muscovitic and/or chloritic micaceous quartzite - PKs
3, light to medium green chlorite schist and phyllite; amphibolite - PKv

MIDDLE MISSISSIPPIAN TO LOWER PERMIAN

CK **KLINKIT:** mafic to intermediate volcanic rocks (1), carbonate (2), clastic rocks (3) and exhalite (4)
1, mafic to intermediate metavolcaniclastic and metavolcanic rocks; minor alkali metabasalt; marble; minor felsic metavolcanic rocks, quartz-muscovite schist **(Klinkit Gp, including Little Salmon, Money Creek, White Lake, King Arctic fms)** - CKv
2, limestone, marble, locally fossiliferous **(Screw Creek, Little Salmon, Whitefish limestones)** - CKc
3, arkosic sandstone, basal polymictic metaconglomerate - CKs
4, red and green chert, exhalite - CKe

CKc

CKe

LATE MISSISSIPPIAN

MqT **TATLMAIN SUITE (340-336 Ma):** mainly granite (q), granodiorite (g), minor gabbro (gb)
q, variably foliated to unfoliated, coarse-grained granite **(Tatlmain batholith)**
g, medium-grained hornblende quartz diorite, tonalite; hornblende-biotite granodiorite
gb, medium to coarse-grained hornblende gabbro

YT (YUKON-TANANA)

UPPER DEVONIAN TO LOWER MISSISSIPPIAN

DMF **FINLAYSON:** assemblage of mafic (1) to felsic (2) metavolcanic rocks of arc and back-arc affinities; carbonaceous pelite, metachert (3); minor quartzite, metavolcaniclastic rocks (4); marble (5); ultramafic rocks and metagabbro (6)
1, medium to dark green intermediate to mafic volcanic and volcaniclastic rocks; fine-grained amphibolite and greenstone **(Little Kalzas, Ram Creek, Cleaver Lake, Tutchitua, Fire Lake fms; Big Salmon complex)** - DMFv
2, felsic metavolcanic rocks, white quartz-muscovite schist, metaporphyry **(Kudz Ze Kayah, Wolverine, Waters Creek fms)** - DMFf
3, dark grey to black carbonaceous metasedimentary rocks, metachert **(Nasina, Swift River, Grass Lakes, Wolverine fms)** - DMFbp
4, light grey to grey, fine-grained siliciclastic and metavolcaniclastic rocks; arkosic grit and sandstone; chert and minor limestone **(Drury, Pelmac, Little Kalzas, Tutchitua fms; Big Salmon complex)** - DMFs
5, light grey to white marble, locally crinoidal **(Little Kalzas fm)** - DMFc
6, ultramafic rocks, serpentinite; metagabbro **(Fire Lake fm)** - DMFum

DMFv

DMFbp

DMFc

DMFum

EARLY MISSISSIPPIAN

MSR **SIMPSON RANGE SUITE (ca. 355-345 Ma):** foliated granitoid of mainly granodiorite to tonalite composition (g), locally granite and augen granite (q), rare gabbro (gb)
g, foliated to strongly foliated, fine to medium-grained, hornblende-bearing metagranodiorite, metadiorite and metatonalite
q, foliated metagranite, quartz monzonite and granodiorite; augen granite
gb, locally, metagabbro

LATE DEVONIAN TO EARLY MISSISSIPPIAN

DMG **GRASS LAKES SUITE (ca. 365-357 Ma):** mainly augen granite (q), granodiorite (g); locally syenite and quartz monzonite (y)
q, foliated, K-feldspar-augen metagranite
g, fine to medium-grained, foliated granodiorite, granite, quartz monzonite
y, locally, unfoliated, coarse-grained to pegmatitic syenite, quartz monzonite **(Ragged pluton)**

UPPER DEVONIAN AND OLDER

PDS **SNOWCAP:** assemblage of dominantly metasiliciclastic rocks (1); minor marble (2), mafic metavolcanic rocks (3) and ultramafic rocks (4); intruded by Devonian-Mississippian calc-akaline plutons of the Grass Lakes and Simpson Range suites; locally metamorphosed to blueschist and eclogite facies (5)
1, polydeformed and metamorphosed quartzite, psammite, pelite and marble; minor greenstone and amphibolite **(Snowcap, Dorsey, part of Big Salmon complexes; North River fm)** - PDSs
2, light grey to buff weathering marble, generally lenticular and discontinuous - PDSc
3, medium to coarse-grained amphibolite, commonly garnet-bearing; greenstone; minor marble **(Snowcap, Dorsey complexes)** - PDSv
4, ultramafic rocks, serpentinite; metagabbro; metapyroxenite **(Dorsey complex)** - PDSum
5, metasiliciclastic and mafic meta-igneous rocks locally metamorphosed to eclogite, blueschist (Quiet Lake, Faro-Ross River, Simpson Lake) - PDSe

PDSc

PDSv

PDSum

PDSe

SM (SLIDE MTN)

UPPER DEVONIAN TO LOWER PERMIAN

CPSM **SLIDE MOUNTAIN:** oceanic assemblage of chert, argillite, minor sandstone and conglomerate (1,3), basalt (2), serpentinite (4), gabbro (5), rare felsic metavolcanic rocks (6)
1, variably deformed, dark grey to black carbonaceous phyllite, chert and argillite; grey, green and white chert; minor chert-sandstone and pebble conglomerate; locally feldspar grit; rare limestone, dolostone; mafic metavolcanic rocks **(Fortin Creek gp)** - CPSMs
2, dark green to black basalt, greenstone, locally pillowed; hyaloclastite; generally weakly deformed and metamorphosed **(Campbell Range fm)** - CPSMv
3, grey, red and green chert and argillite; local dolostone, sandstone **(Campbell Range fm)** - CPSMc
4, brown weathering, dark green to black, variably serpentinized ultramafic rocks; metapyroxenite, dunite; harzburgite - CPSMum
5, medium to coarse-grained gabbro; quartz monzonite; locally rodingite - CPgbSM
6, muscovite-quartz phyllite, augen schist **(felsic metavolcanic rocks in Fortin Creek gp)** - CPSMf
7, leucogabbro, gabbro, diabase; rare plagiogranite - CPlgSM

CPSMs

D

Qs

QUATERNARY

Q **QUATERNARY:** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

Tp

EOCENE

EBR **BLACK RIVER SUITE (49-47 Ma):** peraluminous, sub-porphyry to medium-grained, K-feldspar-phyric, biotite (± trace muscovite) monzogranite and leucogranite

LKp

LATE CRETACEOUS

LKR **RANCHERIA SUITE (82-77 Ma):** medium to coarse-grained granitoid of intermediate (g) to felsic (q) compositions
q, medium to coarse-grained, equigranular biotite–muscovite leucogranite and monzogranite
g, medium-grained, equigranular biotite granodiorite, tonalite, monzogranite (± muscovite); coarse-grained biotite monzogranite with 1-5 cm K-feldspar megacrysts; quartz feldspar porphyry, aplite and kersantite dikes

mKp

MID-CRETACEOUS

mKS **SEAGULL SUITE (103-94 Ma):** fine to medium-grained equigranular biotite (± muscovite) leucogranite to monzogranite; variable textures and grain-sizes; locally partially developed rapakivi; minor stocks of lepidolite–(zinnwaldite)–albite–topaz leucogranite with fluorite **(Seagull batholith)**

mKC **CASSIAR SUITE (115-104 Ma):** medium to coarse-grained, equigranular to porphyritic rocks of largely felsic (q) composition; includes minor amounts of more intermediate composition (g)
g, oxidized, magnetite-rich, biotite ± hornblende ± titanite-bearing monzogranite to granodiorite; minor quartz monzodiorite
q, medium to coarse-grained, equigranular to porphyritic (K-feldspar), reduced, ilmenite-bearing, biotite ± muscovite monzogranite and leucogranite

CA (CASSIAR)

UPPER TRIASSIC

ŦJ **JONES LAKE - CASSIAR:** dark grey and brown fine-grained siliciclastic rocks (1), minor limestone (2) and feldspathic wacke, conglomerate and tuff (3)
1, brown to buff weathering, calcareous siltstone, shale, and fine sandstone, commonly finely cross-laminated and locally bioturbated
2, dark grey and buff weathering, recessive, thin bedded, locally bioclastic limestone and interbedded sandy or silty limestone; locally orange weathering platy limestone
3, greenish-grey coarse-grained feldspathic wacke; polymictic pebble conglomerate and very coarse sandstone; crystal lithic tuff (could be correlative with Middle Permian to Triassic Simpson Lake gp northeast of Tintina fault)

CARBONIFEROUS

MT **TAY - CASSIAR:** dark brown, thin-bedded shale and buff-yellow calcareous siltstone, fine-grained sandstone, and medium beds of black finely crystalline argillaceous limestone; strongly bioturbated

CAp

LATE DEVONIAN

DyP **PELLY MOUNTAINS SUITE (ca. 375-365 Ma):** resistant, massive, medium to fine-grained equigranular syenite; magmatic hornblende replaced by actinolite, but K-feldspar is fresh perthite; gradational to trachyte; intrusive equivalents to felsic volcanic rocks of the Earn assemblage

CA (CASSIAR)

UPPER DEVONIAN TO LOWER MISSISSIPPIAN

DME **EARN - CASSIAR:** consists upwards of dark clastic rocks (1) capped by tuffaceous chert (2) and felsic volcanic rocks (3), the chert and volcanic rocks in part laterally equivalent; intrusive equivalents of the volcanic rocks are the Pelly Mountains Suite
1, dark grey, recessive weathering, thin-bedded, black siliceous slate with interbeds and members of quartz-chert greywacke, chert granule grit and chert pebble to cobble conglomerate; may include lenses of intermediate to felsic volcaniclastic rocks
2, rusty orange weathering, resistant, apple green and dark grey, thin-bedded chert and cherty tuff; local nodular and bedded barite
3, heterogeneous, rusty, black, white, and orange weathering rhyolite-trachyte to andesite flows, breccia and tuff; locally highly pyritic; local black slate and grey-green cherty tuff; minor fine crystalline limestone; locally abundant trachyte dikes

UPPER SILURIAN TO UPPER DEVONIAN

SDA **ASKIN:** platy dolomitic siltstone (1) overlain by dolostone and orthoquartzite (2) with rare volcanic rocks (3)
1, tan, medium grey and locally maroon weathering, light grey, thin-bedded to platy dolomitic siltstone, dolomitic fine-grained sandstone and minor silty dolomite **(Askin Gp)**
2, medium grey to buff weathering, medium to thick-bedded dolostone, silty and sandy dolostone, limestone; medium to thick-bedded, medium-grained, mature orthoquartzite; dolomitized laminated mudstone and dolostone with vugs, birdseye and fenestral cavities **(Askin Gp)**
3, orange weathering, recessive, maroon and green lapilli tuff and volcanic breccia with interbedded bioclastic dolomite **(Askin Gp)**

CAS (St. Cyr)

CAMBRIAN TO DEVONIAN OR YOUNGER

ЄDS **ST. CYR:** poorly understood, fine clastic and carbonate assemblage, (1) to (5), with only general similarities to equivalent strata elsewhere in Cassiar Mountains; overlain by strata typical of Earn, Tay and Jones Lake assemblages elsewhere
1, orange to brown weathering, recessive, medium grey interlaminated calcareous shale and silty limestone or calcareous siltstone; proportion of carbonate to clastic material varies widely; includes slaty and phyllitic equivalents (Cambro-Ordovician?)
2, orange brown weathering, recessive, thin-bedded, medium to dark grey, calcareous shale, siltstone and argillaceous limestone; includes slate and phyllitic slate (Cambrian to Lower Devonian?)
3, black, recessive weathering, calcareous graphitic "sooty" slate and silty shale; includes thin beds of dark grey graphitic, very fine grained quartzite and black "sooty" crinoidal limestone (Ordovician and Silurian?)
4, orange buff weathering, medium grey, thin to medium-bedded, finely laminated and cross-laminated calcareous quartz siltstone and very fine grained orthoquartzite, with slaty phyllite partings; minor massive, light grey orthoquartzite (Silurо-Devonian?)
5, orange to dark blue-grey phyllite and thinly laminated phyllitic limestone; minor laminated siltstone, grey limestone, sandstone and rare chert; platy, fetid limestone, locally crinoidal; minor shale, basalt, tuff and breccia (Upper Devonian or younger?)

ORDOVICIAN TO DEVONIAN, LOCALLY MISSISSIPPIAN (?)

ODR **ROAD RIVER - CASSIAR:** fine-grained, graphitic clastics of dominantly Ordovician and Silurian age (1), but in places including Upper Silurian and Devonian equivalents (2)
1, recessive, black, locally calcareous, fissile, graptolitic slate; local thick to very thick interbeds of grey quartz arenite; includes thin sills or flows of dark green basalt undifferentiated
2, recessive, dark grey to black "sooty" limy or dolomitic thin-bedded to platy graphitic siltstone and fine grained impure quartzite with interbedded graphitic silty shale

CA (CASSIAR)

UPPER CAMBRIAN AND LOWER ORDOVICIAN

ЄOK **KECHIKA:** basinal fine-grained calcareous pelitic strata (1) with locally intercalated mafic volcanic rocks (2)
1, thin-bedded, lustrous, calcareous, grey slate, phyllite, limestone, minor grey dolostone and dolomitic limestone; quartz-carbonate veins; minor sills and flows of basalt and basaltic tuff ; may include Ordovician black slate at top of succession **(Kechika Gp)**
2, massive, dark green and maroon amygdaloidal basalt flows and volcaniclastics; medium to fine-grained diabase or diorite sills with chilled margins; medium grey, chlorite muscovite quartz phyllite with abundant undifferentiated lenses of "greenstone"

LOWER CAMBRIAN

lЄR **ROSELLA:** resistant, thick-bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist **(Rosella Fm)**

lЄB **BOYA:** light grey to medium brown, fine to medium-grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone **(Boya Fm)**

NEOPROTEROZOIC TO LOWER CAMBRIAN

ℙЄI **INGENIKA:** consists upwards of coarse quartzose clastic rocks overlain by fine clastic rocks (1), a marble horizon (2), and fine clastic strata (3); laterally equivalent similar fine clastics (4) are mostly (?) correlative to the upper part of this succession
1, calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate **(Swannell and Tsaydiz fms of the Ingenika Gp)**
2, marble, minor dolomite, calc phyllite **(Espee Fm of the Ingenika Gp)** - ℙЄIc
3, phyllite, quartzite, minor micaceous metasandstone **(Stelkuz Fm of the Ingenika Gp)**
4, thin-bedded slate, siltstone, quartzite and minor limestone with local medium to coarse-grained, feldspathic sandstone to orthoquartzite; muscovite-biotite garnet schist, micaceous quartzite, minor amphibolite and marble; rare granodiorite gneiss **(Ketza Gp, Harvey Gp)**

ℙЄIc

E

Qs

QUATERNARY

Q **QUATERNARY:** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

Tvs

LOWER TERTIARY, MOSTLY(?) EOCENE

lTR **ROSS:** mixed bimodal volcanic rocks (basalt (1), rhyolite (2)) and terrestrial clastics (3), dominantly along or near Tintina Fault; farther removed, scattered occurrences of rhyolitic lava and dikes (4) are also included
1, locally amygdaloidal, dark grey-green olivine basalt necks and flows; subaerial and subaqueous (locally pillowed); volcaniclastic rocks; minor olivine gabbro; locally plagioclase-phyric basalt and diabase dikes; minor shale and conglomerate - lTRv
2, rhyolite flows, tuff, ash-flow tuff and breccia, locally laminated; small stocks and necks of white weathering, flow-banded, quartz-sanidine porphyry to granite porphyry, locally obsidian bearing; local shale, sandstone and conglomerate - lTRf
3, brown, thin-bedded, claystone, siltstone, shale and coal; arkosic or chert rich, thick-bedded micaceous sandstone; thick-bedded to massive pebble to boulder, chert-quartz conglomerate - lTRs
4, light coloured felsic quartz feldspar porphyry and rhyolite; minor acid tuff breccia, crystal lithic tuff and ignimbrite; quartz-feldspar porphyry stocks and dikes - lTqR
5, gabbro - lTgbR

LKp

LATE CRETACEOUS

LKM **MCQUESTEN SUITE (67-64 Ma):** medium to coarse-grained, locally porphyritic and K-feldspar megacrystic biotite-muscovite granite and quartz monzonite (q)

mKv

MID-CRETACEOUS

KSF **SOUTH FORK:** dark brown weathering, locally columnar jointed, massive, densely welded, biotite-quartz-hornblende-feldspar crystal tuff **(South Fork Volcanics)**

mKp

mKT **TOMBSTONE SUITE (94-90 Ma):** plutonic suite dominated by felsic (q) to syenitic (y), and minor intermediate (g) compositions
q, medium to coarse-grained, locally porphyritic biotite hornblende, clinopyroxene granite **(Tombstone Suite)**
g, quartz monzonite, granodiorite, quartz diorite
y, medium to coarse-grained biotite-hornblende-clinopyroxene syenite, quartz syenite; tourmaline orbicular granite; hornblende biotite alkali-feldspar syenite; hornblende-biotite monzogranite; clinopyroxenite, diorite, and pseudoleucite tinguaite **(Tombstone Suite)**

mKM **MAYO SUITE (98-93 Ma):** massive to foliated plutonic rocks of intermediate (g) to felsic (q) compositions
g, massive to foliated, variable in texture, hornblende > biotite (± clinopyroxene) quartz monzonite or monzodiorite; granodiorite and quartz diorite; late-stage sub-alkaline kersantite or spessartite to alkali minette lamprophyres
q, medium-grained, equigranular biotite granite; K-feldspar porphyritic granite; aplite–pegmatite dikes

mKTu **TUNGSTEN SUITE (98-96 Ma):** fine-grained and equigranular, medium to coarse-grained and K-feldspar porphyritic or megacrystic, ilmenite and monazite-bearing biotite monzogranite and leucogranite (g); local miarolitic, aplite ± pegmatite ± quartz-feldspar-(biotite) porphyry dikes

mKTR **TAY RIVER SUITE (99-95 Ma):** massive to strongly foliated, fine to coarse-grained, equigranular to porphyritic, biotite ± hornblende (± clinopyroxene) monzogranite (q) and granodiorite (g)

mKH **HYLAND RIVER SUITE (106-100 Ma):** massive to weakly foliated, biotite ± hornblende granodiorite and monzogranite (g); subordinate granodioritic to dioritic plagioclase-biotite porphyry phases, dikes and enclaves

mKA **ANVIL SUITE (114-104 Ma):** K-feldspar megacrystic, biotite ± muscovite monzogranite (g), weakly foliated; fine-grained hornblende–(plagioclase)-phyric diorite dikes

NA (NORTH AMERICA)

TRIASSIC

ŦG **GALENA SUITE:** massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered equivalents) sills; minor occurrences of possible mid to late Paleozoic age

MIDDLE TO UPPER TRIASSIC

ŦJ **JONES LAKE:** dark grey and brown fine-grained siliciclastic rocks (1), and minor limestone (2)
1, brown to buff weathering, calcareous siltstone, shale, and fine sandstone, commonly finely cross-laminated and locally bioturbated **(Jones Lake Fm)**
2, dark grey and buff weathering, recessive, thin-bedded, locally bioclastic limestone and interbedded sandy or silty limestone; locally orange weathering platy limestone

CARBONIFEROUS TO PERMIAN

CPMC **MOUNT CHRISTIE:** burrowed, interbedded greenish grey cherty shale and green shale; thin to medium-bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, grey barite nodules **(Mount Christie Fm)**

MISSISSIPPIAN

CT **TSICHU:** mixed siliciclastic (1, 2), chert (3) and carbonate assemblage
1, massive to thick-bedded quartz arenite; thin to medium-bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated **(Keno Hill Quartzite)** - CTq
2, black to silvery shale or carbonaceous phyllite **(Keno Hill Fm)** - CTs
3, chert, and chert pebble conglomerate **(Tsichu Gp)** - CTc
4, thin to medium-bedded, siliceous calcarenite, dolostone, sandy dolostone and minor grey quartzite; buff and grey weathering, thick-bedded, dark grey bioclastic limestone; black to silvery shale **(Tsichu Gp)** - CTl

MT **TAY:** mixed, generally fine clastic and carbonate assemblage (1) with locally thick regionally mappable carbonate horizons (2)
1, recessive, dark brown weathering, thin to medium-bedded, calcareous, dark grey to brown siltstone and shale, commonly burrowed; thin to thick interbeds of fine crystalline, dark grey limestone; minor quartz arenite **(Tay Fm)**
2, grey and buff weathering, generally thick bedded to massive, dark grey to black fetid limestone; fine crystalline to cryptocrystalline; commonly bioclastic **(Kalzas Fm)**

DEVONIAN AND MISSISSIPPIAN

DME **EARN:** complex assemblage of submarine fan and channel deposits (1), (5), (6) within black siliceous shale and chert (2), (4) and including separated small occurrences of felsic volcanic rocks (3); barite common, and many occurrences of stratiform Pb-Zn
1, thin-bedded, laminated slate with thin to thickly interbedded fine to medium-grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone **(Earn Gp, Portrait Lake and Prevost fms)**
2, silvery blue weathering black shale, argillite, cherty argillite and thin-bedded chert; nodular and bedded barite; rare limestone **(Earn Gp, Portrait Lake and Prevost fms; may locally include beds as old as Early Devonian)**
3, massive felsic to intermediate volcanic flows, tuffs and subvolcanic plug(s); locally highly altered; greenish chert and minor black slate; quartz eye quartz-sericite chlorite phyllite; local vesicular or amygdaloidal basalt, locally pillowed
4, light and dark grey chert and dark grey siliceous shale **(McCann Hill Fm)**
5, olive-grey mudstone, chert-quartz sandstone and chert pebble conglomerate; shale and sandstone commonly in coarsening and thickening-upward cycles **(Nation River Fm)**
6, bioclastic limestone, conglomerate, common chert pebble, crinoids and coral fragments **(debris flow deposit in Earn Gp shale)**

MID-PALEOZOIC?

mℙN **NOGOLD:** buff, maroon and minor green argillite with quartz sandstone and siltstone interbeds; basal green chert; rare light grey weathering, dark grey limestone beds of Early to Late Devonian age; thick-bedded green to yellow grey weathering sandstone and grit **(Nogold succession)**

SILURIAN TO MIDDLE DEVONIAN

SDA **ASKIN (MCEVOY):** buff, platy siltstone (1) overlain by carbonate and quartzite (2)
1, buff, brown and grey laminated, platy, calcareous or dolomitic siltstone, grey orthoquartzite, and minor black, argillaceous limestone; silty dolostone, dolostone
2, medium grey, medium-bedded to massive, laminated to sucrose, dolostone and sandy dolostone; dark grey, fetid, platy limestone; silvery white weathering, resistant, medium-bedded, medium-grained, mature orthoquartzite forms interbeds and thick members

ORDOVICIAN TO LOWER DEVONIAN

ODR **ROAD RIVER - SELWYN:** black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4)
1, black, gun-blue, or silvery white weathering black graptolitic shale and black chert; resistant grey weathering, thin to medium-bedded, light grey to black, greenish grey or turquoise chert; minor argillaceous limestone **(Road River Gp, Duo Lake and Elmer Creek fms)**
2, rusty dark green to orange buff weathering, pyritic, burrowed, thin to thick-bedded, argillite and dolomitic siltstone with members or partings of black shale and chert; minor bright orange dolostone **(Road River Gp, Steel Fm)**
3, blue-grey weathering, black limestone; tan, buff, or dark grey weathering platy, silty limestone **(Sapper Fm)**
4, black shale; limestone, limestone conglomerate, and interstratified argillite and pale yellow limestone
5, black shale, calcareous shale, dolomitic siltstone, chert, and minor limestone **(undivided Duo Lake, Steel, Sapper fms)**
6, barite

CAMBRIAN TO SILURIAN

ЄSM **MARMOT:** lower Paleozoic mostly mafic volcanic rocks, in locally thick accumulations (1) - (8) but also of common occurrence as undifferentiated thin scattered members within other units (e.g. ЄOR, OSR) and as gabbro and pyroxenite dikes (9,10)
1, resistant, dark grey weathering, massive, locally pillowed, dark grey-green basalt, tuff and breccia **(Menzie Creek Fm)**
2, amygdaloidal basaltic flows and breccia; mostly subaqueous; thick, flow-banded rhyolite and felsite, includes breccia and tuff **(Marmot Fm)**
3, resistant dark greenish grey weathering mafic volcanic flows, tuff and hyaloclastic breccia **(Dempster Volcanics)**
4, flow banded rhyolite and felsite, breccia and felsic tuff **(Dempster Volcanics)**
5, white weathering limestone, locally bioclastic **(Dempster Volcanics)**
6, dark green to brown or orange weathering mafic, vesicular and amygdaloidal volcanic flows, carbonate-cemented hyaloclastic breccia, and volcanic-derived sandstone, grit, and pebble and cobble conglomerate
7, massive brown to green, basic lapilli tuff, breccia, flows, sills, and dikes; intraclast breccia and conglomerate; brown weathering, green to grey, medium to very thick bedded volcaniclastic sandstone
8, grey to dark grey weathering, dark volcanic rocks, many partly serpentinized, brown-weathering, grey-green, limy tuff and argillite, and thin-bedded brown limestone
9, green to black, locally magnetic, coarse to fine-grained, massive to foliated gabbro, pyroxenite; subvolcanic dikes and sills to Menzie Creek and Dempster basalt
10, bright green to black serpentinite; orange to brown weathering listwaenite, commonly contains fuchsite - ЄSMum

ЄSMum

UPPER CAMBRIAN AND ORDOVICIAN

ЄOR **RABBITKETTLE:** basinal limestone (1) that may locally include older and younger basinal pelitic strata undivided (2)
1, thin-bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff **(Rabbitkettle Fm)**
2, as in ЄOR1, but may include Middle Cambrian and Middle Ordovician beds undivided
3, basalt - ЄORv

ЄORv

LOWER CAMBRIAN

lЄG **GULL LAKE:** dominantly fine clastic assemblage (1) with local volcanic units (2); marble, calc-silicate (3) and basal conglomerate (4)
1, shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (garnet sillimanite staurolite andalusite) **(Gull Lake Fm)** - lЄGs
2, dark green massive to fragmental mafic metavolcanic and volcaniclastic rocks; siltstone and argillite - lЄGv
3, marble, calc-silicate **(Mount Mye Fm)** - lЄGc
4, conglomerate, quartzite, argillite, brown-weathering sandstone; archaeocythid-bearing limestone clasts - lЄG

lЄGc

NEOPROTEROZOIC TO LOWER CAMBRIAN

ℙЄH **HYLAND:** consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units **(Hyland Gp)**
1, thin to thick-bedded, brown to pale green shale, fine to coarse-grained quartz-rich sandstone, grit, and quartz pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, mostly psammite and minor marble **(Hyland Gp, Yusezyu Fm)** - ℙЄHy
2, grey weathering, dark grey to grey white, thin to thick-bedded, very fine crystalline limestone, locally sandy, local shale interbeds; calc-silicate and marble; may locally include carbonate members within (1) or (4) **(Hyland Gp, Algae Fm, limestone member of Yusezyu Fm)** - ℙЄHc
3, distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz-rich siltstone, sandstone and quartz-pebble conglomerate **(Hyland Gp, Narchilla Fm, including Senoah and Arrowhead Lake mbs)** - ℙЄHn
4, quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units **(Hyland Gp, mostly(?) Yusezyu Fm)** - ℙЄHy

ℙЄHc

ℙЄHn

LOCATION INDEX FOR LEGEND

The Legend is geographically oriented from generally southwest (left side of the page) to northeast and north (right side of page). The region for which each Legend column is most applicable is indicated by the corresponding areas A to H (in red) on the index map.

NORTHEAST

F

Tvs

LOWER TERTIARY, MOSTLY(?) EOCENE

lTR **ROSS:** alkaline volcanic rocks (1) and terrestrial clastics (3)
1, plagioclase, amphibole, olivine, nepheline and pyroxene-phyric, black, grey to greenish-grey, unfoliated volcanic rocks; feldspar, amphibole and pyroxene-phyric, very finely crystalline, light to medium-grey or greenish-grey, massive trachyte **(Beaver River Alkaline Complex)** - lTRv
3, compositionally immature, brown and reddish brown, conglomerate and sandstone; sandstone is typically crossbedded, poorly to well-indurated; minor basalt - lTRs

Ep

EOCENE

EyT **TING SUITE:** grey, unfoliated syenite, dominated by white feldspar with lesser biotite, coarsely crystalline; greyish-red and pale green aphanitic intrusive breccia with xenoliths of pink syenite, volcanic rocks and sandstone

KTs

UPPER CRETACEOUS TO TERTIARY

KTB **BONNET PLUME:** sandstone, shale and coal, marine and nonmarine (1) and (2) deposited in foredeep of Cordilleran Orogen **(equivalent to "Brazeau foredeep clastic wedge" tectonic assemblage of Wheeler and McFeely, 1991)**
2, banded, feldspathic sandstone, coal **(Wapiti Fm)**

UPPER CRETACEOUS

KT **TENT ISLAND:** shale with local siltstone, sandstone and conglomerate (1) and (2) **(equivalent to "Smoky foredeep marine shales" tectonic assemblage of Wheeler and McFeely, 1991)**
2, dark grey concretionary shale; mudstone; grey sandstone; marine **(Kotaneelee Fm)**

LOWER CRETACEOUS AND (MOSTLY) UPPER CRETACEOUS

KM **MONSTER:** diverse assemblage of fine to coarse clastics, marine and nonmarine (1) to (7) deposited in foredeep of Cordilleran orogen **(equivalent to "Trevor southwesterly derived clastic wedge" tectonic assemblage of Wheeler and McFeely, 1991)**
7, carbonaceous sandstone and pebble conglomerate; dark grey shale, siltstone **(Dunvegan Fm)**

LOWER CRETACEOUS

KS **SHARP MOUNTAIN:** fine and coarse clastic assemblage, mostly marine (1) to (7) deposited in foredeep of Cordilleran orogen **(equivalent to "Blairmore foredeep clastic wedge" tectonic assemblage of Wheeler and McFeely, 1991)**
5, concretionary dark grey and rusty weathering shale, gypsiferous in part; greenish grey sandstone, siltstone and shale **(Fort St. John Gp including Garbutt, Scatter, Sikanni, Sully, and Lepine fms)**

NA (NORTH AMERICA - SOUTHEAST)

MIDDLE TO UPPER TRIASSIC

ŦJ **JONES LAKE:** dark grey and brown fine-grained siliciclastic rocks (1)
1, grey, red and green shale interbedded with sandstone; brown, thin to thick-bedded, laminated or massive, locally bioturbated; minor brown to grey siltstone; locally calcareous or phosphatic; shalier and more recessive at base **(Grayling and Toad fms)**

PERMIAN

PF **FANTASQUE:** assemblage of chert and shale, sandstone and mudstone (1), and limestone, dolostone (2)
1, grey to black chert in medium to very thick beds separated by thin beds of shale; grey sandstone and mudstone **(Fantasque Fm)**
2, limestone, dolostone, chert and shale **(Tika and Fantasque fms)**

CARBONIFEROUS

CM **MATTSON:** generally divisible to lower thinly bedded grey sandstone, shale and coal (1) overlain by massive bedded, grey to brown sandstone (2), in turn overlain by grey sandstone, limestone and shale (3) **(Mattson Fm)**
1, quartz arenite, very fine to fine-grained, light grey or beige, grey to orange-weathering, thin to medium-bedded, typically cross-laminated; well-indurated, trace fossils common; interbedded with minor dark grey siltstone and shale **(lower member)**
2, quartz arenite, locally cherty, grey to beige or brown, thick-bedded, fine to large-scale cross bedding, poorly to well-indurated; interbedded with minor medium to dark grey siltstone and shale **(middle member)**
3, sandstone: quartz arenite, locally cherty, calcareous, or dolomitic, light to medium grey, commonly shows large-scale crossbedding; interbedded with minor limestone: grey, cherty and siliceous, typically fossiliferous with crinoids, brachiopods, bryozoans **(upper member)**
4, undivided middle and upper members

CFG **FLETT/GOLATA:** limestone: cherty, grey, skeletal wackestone to packstone and lesser grainstone, massive; interbedded with minor shale, mudstone, or siltstone: calcareous, spiculitic; and sandstone **(Flett Fm)**; overlain by dark grey to black silty shale and mudstone; minor fossiliferous limestone and dolostone **(Golata Fm)**

CP **PROPHET:** spiculitic, calcareous or dolomitic, dark grey, greyish-orange weathering, well bedded chert; rhythmically interbedded with cherty, medium to dark grey, skeletal wackestone to packstone; sandstone and black to dark grey shale

DEVONIAN AND MISSISSIPPIAN

DMBR **BESA RIVER:** fine-grained clastic assemblage in southeastern Yukon
1, black shale and argillite; brown and green shale and argillite; cherty argillite; fine-grained, quartzose sandstone; may locally include undivided black shale and chert of Ordovician to Devonian age **(Besa River and minor Fort Simpson fms)**

MIDDLE DEVONIAN

DH **HUME:** assemblage of fossiliferous limestone
1, buff-brown weathering argillaceous to silty, dark grey, fine-grained limestone, platy to thin-bedded; minor intercalated irregularly banded orange weathering dolostone and thin beds of resistant; orange-brown weathering limestone; richly fossiliferous **(Headless Fm)**

DEVONIAN

DD **DUNEDIN:** limestone, locally dolomitic, mudstone to wackestone to skeletal-grainstone, medium to dark grey, grey-weathering, medium to thick-bedded, crinoid debris locally abundant; unit is resistant **(Dunedin Fm)**

SILURIAN TO MIDDLE DEVONIAN

SDc dolostone, locally sandy, finely crystalline, light to medium grey, beige to grey-weathering, medium to thick-bedded; locally laminated, locally vuggy, unfossiliferous; minor dolomitic siltstone, laminated **(Nonda, Muncho, McConnell and Stone fms)**

UPPER ORDOVICIAN AND SILURIAN

OSK **KINDLE:** dolostone succession
2, medium to thick-bedded, black, coarse-grained dolostone and interbedded grey weathering laminated dolostone with nodules and bands of black chert; medium grey weathering, platy, grey argillaceous limestone with minor chert shale; massive and reefoid, fetid dolostone **(Whittaker, Nonda fms)**

MIDDLE ORDOVICIAN

OSs grey to beige quartz arenite, locally conglomeratic; quartz-pebble conglomerate, subrounded to rounded clasts; minor sandstone and siltstone

MIDDLE ORDOVICIAN

OS **SUNBLOOD:** mainly dolostone and limestone (1); local mafic volcanic (2)
1, buff, rouge and light grey weathering platy dolostone and limestone; local interbedded light and dark grey fine crystalline and white coarse crystalline dolostone at base; rare thick beds of light blue-grey limestone **(Sunblood Fm)**
2, basalt in southeast Yukon - OSv

CAMBRIAN TO ORDOVICIAN

ЄOOC **OTTER CREEK:** light grey, fine-grained, indistinctly bedded, resistant limestone; lesser buff to tan-weathering dolostone **(partly correlative with Haywire Fm)**

ЄOC **CROW:** sandstone (1) and basalt (2) in southeast Yukon
1, cream to pink, indistinctly bedded, quartzose to subarkosic sandstone; lesser maroon to greyish red, laminated siltstone to argillite; minor conglomerate, limestone and dolostone interbeds; correlative with Rabbitkettle Fm
2, greyish green and maroon, grey-weathering, thick-bedded basaltic lapilli tuff and breccia interbedded with amygdaloidal, vesicular to massive pillowed flows; in part correlative with Rabbitkettle Fm volcanic rocks - ЄOCv

ЄOCv

LOWER CAMBRIAN

lЄS **SEKWI:** pale green to tan, brown-weathering, laminated, locally calcareous, locally fossiliferous, pelitic phyllite to siltstone; rusty brown-weathering, thin-bedded arkose; lesser laminated, silty limestone and cream-weathering, fine-grained quartzose sandstone; medium grey to dark grey and orange weathering limestone containing archaeocyathids near middle of unit **(Sekwi Fm)**

NEOPROTEROZOIC TO LOWER CAMBRIAN

uℙЄV **VAMPIRE:** sandstone and siltstone, minor orthoquartzite; phyllite, slate, and argillite **(Vampire Fm)**
1, dark grey to pale green, rusty tan-weathering, noncalcareous, pinstriped silty, pelitic phyllite; lesser cream, quartzose sandstone and light grey-weathering siltstone; minor pebbly conglomerate to sandstone and grey, bedded limestone; locally metamorphosed to biotite-garnet-staurolite pelitic schist
2, pale grey, white-weathering, bedded to massive limestone or marble
3, green, grey-weathering, basaltic lapilli tuff and breccia interbedded with amygdaloidal, vesicular or massive, locally pillowed basaltic flows; intruded by equigranular, green, hornblende-plagioclase diabase

NEOPROTEROZOIC

LℙP **POOL CREEK SUITE (650-640 Ma):** pink syenite, dominated by pink potassium-feldspar with lesser dark chloritized biotite, medium to coarsely-crystalline, unfoliated

uℙHC **HAY CREEK (?):** post-rift, fine to coarse siliciclastic rocks (1), cap dolostone (3) and glacial diamictite (5)
1, banded green to grey or greyish-red argillite or siltstone; very fine grained, laminated or very thin bedded sandstone, soft-sediment slump folding is common; minor matrix-supported conglomerate **(probably equivalent to Twitya Fm)** - uℙHCt
3, very fine to medium-grained, white to light grey or greenish-grey, massive to laminated or ripple cross-laminated quartz arenite; interbedded with minor dark grey to black, laminated siltstone **(Keele Fm)** - uℙHCk
5, dark grey to black, orange-brown-weathering, polymictic, matrix-supported conglomerate; matrix mudstone to fine siltstone; clasts dominantly sandstone, siltstone and limestone **(Toobally Fm)** - uℙHCtb

EXPLANATION

AGE OF TECTONIC ASSEMBLAGE

ASSEMBLAGE NAME: assemblage description; assemblages are a subjective grouping of stratigraphic or metamorphic rock units that allow correlation and potrayal of lithological continuity on a regional scale **(applicable formation (Fm), suite, group (Gp), member (mb) names indicated in bold face)**; informal stratigraphic units denoted by lower cases abbreviation (i.e. gp, fm)
Assemblage names are chosen from a representative and/or significant constituent formation or group
1, separately distinguished and described components of assemblage indicated by subunits (i.e. 1, 2 ...), generally displayed at 1:250,000 scale
2, where indicated some subunits are distinguished by their own colour and/or pattern to add detail and clarity to the map
3, a diagonal dash pattern distinguishes volcanic facies of some subunits
4, a stipple pattern distinguishes distal, basinal facies of some subunits
5, a cross pattern distinguishes subvolcanic, plutonic subunits for some mixed clastic and volcanic assemblages
6, a red stipple pattern distinguishes subunits metamorphosed to eclogite or blueschist facies (in Yukon-Tanana terrane)

AGE OF PLUTONIC SUITE

PLUTONIC SUITE NAME: plutonic suite description; plutonic suites as subjective groupings of plutonic rock units that allow correlation and potrayal of lithological continuity on a regional scale; some plutonic suites can be subdivided on basis of composition **(applicable suite, batholith, or pluton names indicated in boldface)**
Suite names are chosen from a representative and/or significant named plutonic suite, batholith or pluton
q, granite, quartz monzonite
g, granodiorite
d, diorite
y, syenite
gb, gabbro
f, felsic dikes

Brackets indicate grouping by terrane, post-terrane amalgamation intrusive suites, and overlap assemblages colour-coded as follows:
dark blue – Ancestral North America (or Laurentia)
cyan – displaced Ancestral North America (or Laurentia)
brown – Intermontane (or peri-Laurentian) terranes
green – Insular terranes
yellow – overlap sequence
red – post-amalgamation plutonic suite

For clarity at the 1:1,000,000 scale, not all subunits in the legend are indicated separately on the map. For example, JKH1 and JKH3 are amalgamated under the colour of the parent unit JKH. The more detailed legend corresponds to map units in the GIS source data for display at the 1:250,000 scale.

The GIS data used to produce this map are regularly updated and available for download from the Yukon Geological Survey's website – www.geology.gov.yk.ca/update_yukon_bedrock_geology_map.html. The data can also be viewed and queried online using the Yukon Geological Survey interactive map service: http://mapservices.gov.yk.ca/YGS/SL/.

SYMBOLS

Geological contact (defined, approximate, inferred, extrapolated)
Fault, sense of movement unknown (defined, approximate, inferred, extrapolated)
Fault, normal, barb on downthrown side (defined, approximate, inferred, extrapolated)
Fault, low-angle detachment, crescent on upper plate (defined, approximate, inferred, extrapolated)
Fault, thrust, teeth on upper plate (defined, approximate, inferred, extrapolated)
Fault, thrust, overturned, teeth on upper plate (defined, approximate, inferred, extrapolated)
Fault, strike-slip, dextral (defined, approximate, inferred, extrapolated)
Fault, strike-slip, sinistral (defined, approximate, inferred, extrapolated)
Permanent ice and snow

REFERENCES:

Norris, D.K. 1997. Geology and mineral and hydrocarbon potential of northern Yukon Territory and northwestern District of Mackenzie. Geological Survey of Canada, Bulletin 422, 401 p.

Wheeler, J.O. and McFeely, P., 1991. Tectonic assemblage map of the Canadian Cordillera and adjacent parts of the United States of America. Geological Survey of Canada, Map 1712A, scale 1:2,000,000.

Yukon Geological Survey
Energy, Mines and Resources
Government of Yukon

Open File 2016-1
Yukon Bedrock Geology Map
2016

Sheet 2 of 2
Legend

compiled by

Maurice Colpron, Steve Israel, Don Murphy,
Lee Pigage and David Moynihan

G

Qs

QUATERNARY

Q **QUATERNARY:** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

KTs

TERTIARY

TF **FISH RIVER:** fine to medium-grained sandstone, siltstone and mudstone (1) and (2) deposited in foredeep of Cordilleran orogen **(equivalent to Moose Channel (1) and Reindeer (2) tectonic assemblages of Wheeler and McFeely, 1991)**
1, fine to medium-grained sandstone with planar and hummocky cross-stratification, and ripple and horizontal lamination; upper light grey mudstone with thin interbeds of siltstone and very fine grained sandstone; alluvial grading upward to marine **(Moose Channel Fm)**
2, weakly cemented to unconsolidated interbedded sandstone, pebbly sandstone, conglomerate, mudstone and some lignite; fluvial to deltaic **(Reindeer Fm)**

UPPER CRETACEOUS

KT **TENT ISLAND:** shale with local siltstone, sandstone and conglomerate (1) and (2) **(equivalent to "Smoky foredeep marine shales" tectonic assemblage of Wheeler and McFeely, 1991)**
1, basal unit of massive sandstone to conglomerate in medium to thick beds succeeded by medium to dark grey, soft mudstone with thin interbeds of siltstone and very fine grained sandstone; submarine fan coarse clastics succeeded by marine shelf deposits **(Tent Island Fm)**

UPPER CRETACEOUS TO TERTIARY

KTB **BONNET PLUME:** sandstone, shale and coal, marine and nonmarine (1) and (2) deposited in foredeep of Cordilleran Orogen **(equivalent to "Brazeau foredeep clastic wedge" tectonic assemblage of Wheeler and McFeely, 1991)**
1, medium to coarse-grained sandstone with minor thin lenses and layers of fine pebble conglomerate separated by layers of grey fissile shale; lignite; fluviatile and lacustrine **(Bonnet Plume Fm (upper))**
2, banded, feldspathic sandstone, coal **(Wapiti Fm)**

uKs

LOWER CRETACEOUS AND (MOSTLY) UPPER CRETACEOUS

KM **MONSTER:** diverse assemblage of fine to coarse clastics, marine and nonmarine (1) to (7) deposited in foredeep of Cordilleran orogen **(equivalent to "Trevor southwesterly derived clastic wedge" tectonic assemblage of Wheeler and McFeely, 1991)**
1, interbedded sandstone and shale; sandstone is generally fine-grained, locally pebbly and occurs in thin to medium beds; ripple cross-lamination and load casts common; carbonaceous debris common; marine **(Trevor Fm)**
2, medium to dark grey shale and mudstone; rare bentonite; very fine to medium-grained sandstone with hummocky cross-stratification, horizontal lamination and thin interbeds of mudstone; bioturbation; marine to locally fluvial at top **(Eagle Plain Fm)**
3, sandstone and shale; marine
4, dominantly resistant massive pebble to cobble, and locally boulder conglomerate with lesser sandstone and shale; alluvial **(Bonnet Plume Fm (lower member))** - KMb
5, lower part: brown weathering, fine-grained arkosic sandstone (marine?); middle part: silty mudstone and carbonaceous and conglomeratic sandstone (nonmarine?); upper part: mesa-forming chert-quartz sandstone-pebble conglomerate (fluviatile?) **(Monster Fm)**
6, soft, light grey to black fissile shale with scattered cm-thick beds of white to yellow bentonite and ironstone concretions; marine **(Boundary Creek Fm)** - KMbc
7, carbonaceous sandstone and pebble conglomerate; dark grey shale, siltstone **(Dunvegan Fm)**

KMb

KMbc

LOWER CRETACEOUS

KS1,3 **SHARP MOUNTAIN:** fine and coarse clastic assemblage, mostly marine (1) to (7) deposited in foredeep of Cordilleran orogen **(equivalent to "Blairmore foredeep clastic wedge" tectonic assemblage of Wheeler and McFeely, 1991)**
1, basal interbedded siltstone and silty shale with concretionary horizons overlain by interbedded glauconitic fine-grained sandstone, siltstone and shale; marine **(Martin House Fm)**
2, thin-bedded dark grey to brown or black shale and interbeds of siltstone; concretions and clay (bentonite?) beds; locally basal beds are silty or sandy to conglomeratic; marine **(Arctic Red Fm)**
3, massive sandstone and pebble conglomerate; rare ripple cross-lamination in sandstone; shale-dominant units with thin beds of siltstone and very fine grained sandstone; local mud-supported conglomerate; marine sediment gravity flow deposits **(Sharp Mountain Conglomerate)**
4, sandstone, conglomerate and shale; flyschoid
5, concretionary dark grey and rusty weathering shale, gypsiferous in part; greenish grey sandstone, siltstone and shale **(Fort St. John Gp including Garbutt, Scatter, Sikanni, Sully, and Lepine fms)**
6, dark grey weathering massive to poorly bedded chert sandstone and chert pebble conglomerate; fluvial(?) **(Big Timber Fm)**
7, basal member of shale with thin interbeds of sandstone and pebbly sandstone; upper member of generally massive sandstone and conglomerate with normal and some inverse grading; conglomerate clasts to boulder size; marine sediment gravity flow deposits **(Kathul Greywacke)**

KS2,7

KS4,5,6

JKs

lKM1 **MOUNT GOODENOUGH:** shale, siltstone, and sandstone (1) to (6) comprising alternating fine and coarse clastic units **(equivalent to upper part of "Parsons continental margin clastics" tectonic assemblage of Wheeler and McFeely, 1991)**
1, dominated by fine-grained quartz arenite with hummocky cross-stratification, swaley bedding, plane lamination, ripple lamination and bioturbation; members and interbeds of shale; marine inner shelf to upper shoreface **(Martin Creek Fm; may include McGuire Fm)**
2, shale with thin beds of siltstone and very fine grained argillaceous bioturbated sandstone; ironstone concretions in lower beds; marine **(McGuire Fm)**
3, shale, siltstone, sandstone and coal; marine and nonmarine
4, basal interbedded sandstone, siltstone, shale and locally conglomerate, with bioturbation, lamination and cross-stratification; upper beds are bioturbated dark grey shale, interbedded with thin siltstone and silty sandstone; marine **(Mount Goodenough Fm)**
5, dark grey to black argillite, siltstone and sandstone; turbiditic **(Biederman Argillite)**
6, interbedded units of sandstone and shale; hummocky cross-stratification and planar lamination; marine **(Rat River Fm)**

lKM2

lKM3,4

lKM5

lKM6

JURASSIC AND LOWER CRETACEOUS

JKH1,3 **HUSKY:** shale and siltstone (1) and (3) and laterally equivalent coarser grained siltstone and sandstone (2) and (4) and undivided clastic strata (5) deposited on a marine shelf **(equivalent to lower part of "Parsons continental margin clastics" tectonic assemblage of Wheeler and McFeely, 1991)**
1, dark grey siltstone and shale **(Kingak Fm (upper), may include Porcupine River and Husky fms, and Bug Creek Gp)**
2, siltstone and light grey fine to very fine grained sandstone; marine and nonmarine **(Porcupine River Fm)**
3, dark grey shale, siltstone and ironstone; marine **(Husky Fm)**
4, light grey glauconitic conglomeratic sandstone, shale and siltstone; marine **(North Branch Fm)**
5, shale, siltstone, sandstone; minor conglomerate; limonitic nodules; marine and nonmarine **(undivided Jurassic and Lower Cretaceous clastic rocks)**

JKH2

JKH4

JKH5

JURASSIC

JB **BUG CREEK:** several cycles of shale and shelf sandstone in northern Yukon (2), fining generally to the northwest (3), and including equivalent generally fine clastic strata in central Yukon (1) **(equivalent to upper part of "Spray River continental margin prism" tectonic assemblage of Wheeler and McFeely, 1991)**
1, dark grey argillite, slate, and phyllite, commonly graphitic, thin-bedded dark grey quartzite, platy to phyllitic quartzite; minor phyllite and limy quartzite **(Lower Schist)**
2, succession of alternating coarse and fine clastic formations; rock types include soft, fissile shale, siltstone, fine to medium-grained sandstone with thin argillaceous interbeds and sandstone with low-angle cross bedding and bioturbation; marine **(Bug Creek Gp: includes Aklavik, Murray Ridge, Almstrom Creek, Manuel Creek and Richardson Mountains fms)**

NA (NORTH AMERICA)

UPPER TRIASSIC

ŦS **SHUBLIK:** commonly bioturbated calcareous shale, siltstone and sandstone; silty bioclastic limestone; local hummocky cross-stratification **(Shublik Fm)**

LOWER AND MIDDLE PERMIAN

PJC **JUNGLE CREEK:** clastic assemblage with some carbonate (1) but including undifferentiated clastics and carbonates of mostly(?) equivalent age (2) and a separately mappable partly equivalent carbonate (3) and conglomerate (4)
1, consists upward of chert pebble conglomerate, sandstone and shale overlain by mixed calcareous or cherty mudstone, silty limestone and prominent resistant lenses of sandstone in turn overlain by yellow orange weathering, fine-grained, grey sandstone **(Jungle Creek, Longstick fms)**
2, undivided Lower and Middle Permian strata including shale, siltstone, and limestone **(Sadlerochit (in part), Echooka fms)**
3, rusty to light grey weathering, grey to white, crystalline skeletal limestone; partially silicified and dolomitized (upper part); interbedded black chert (middle part); calcitic sandstone, chert-pebble conglomerate, and sandy limestone (basal part) **(Tahkandit Fm)**
4, chert-pebble conglomerate and fossiliferous sandstone with units of sandy to conglomeratic skeletal limestone **(Step Conglomerate)**

UPPER DEVONIAN TO PERMIAN

uDPF **FORD LAKE:** generally fine to coarse-grained clastic succession equivalent to Canol, Imperial and(?) Tuttle assemblages (1) or including these and younger formations undivided (2) and (3)
1, dark grey to black, silty pyritic shale and siltstone with subordinate sandstone, conglomerate and silty limestone **(Ford Lake Shale)**
2, shale, siltstone, limestone, sandstone, conglomerate, chert undivided **(Canol, Ford Lake, Hart River, and Ettrain fms undivided)**
3, shale, siltstone, limestone, sandstone, conglomerate, chert undivided **(Ford Lake, Hart River, Ettrain, and Jungle Creek fms undivided)**

UPPER CARBONIFEROUS

CE **ETTRAIN:** cherty, echinoderm-bryozoan and ooid lime grainstone and mixed-skeletal lime packstone; glauconitic sandy carbonate; local quartz-chert siltstone and sandstone; marine **(Ettrain Fm)**

LOWER AND UPPER CARBONIFEROUS

CH **HART RIVER:** dominantly carbonate assemblage (1) with equivalent local clastics (2)
1, thinly laminated, cherty spiculite and spicule lime packstone with subordinate sandstone, siltstone and calcareous shale; local lime grainstone; local members of lenticular to shoe-string sandstone grading into chert rich conglomerate **(Hart River Fm)**
2, brown weathering sandstone, conglomerate and skeletal limestone; equivalent to upper part of Hart River **(Hart River Fm)**

CARBONIFEROUS

CL **LISBURNE:** lime mudstone and wackestone, mixed skeletal lime packstone and grainstone; fine crystalline, sandy to silty dolostone; siltstone and shale; lime grainstone and packstone; ooid and skeletal-ooid grainstone **(Lisburne Gp undivided; Alapah and Wahoo fms)**

CARBONIFEROUS

CKY **KAYAK:** basal dark grey to black shale and siltstone with lesser thin bedded, locally conglomeratic sandstone grading upward to dark grey, calcareous shale with minor argillaceous, silty lime packstone and wackestone; basal parts coal bearing **(Kayak Fm)**

lCK **KEKIKTUK:** pebble-to-boulder conglomerate with subordinate conglomeratic sandstone and minor shale; clasts dominantly chert, but include white vein quartz, grit, sandstone, siltstone and scattered granitic clasts **(Kekiktuk Fm)**

LOWER CARBONIFEROUS

lCT **TUTTLE:** chert granule to pebble conglomerate and conglomeratic sandstone with subordinate siltstone and shale; minor coal; includes unnamed, partly correlative light grey medium-grained sandstone and dark grey shale; pro-deltaic, deltaic and fluvial **(Tuttle Fm)**

UPPER DEVONIAN

uDI **IMPERIAL:** rusty-weathering dark grey shale and siltstone generally in lower part of succession overlain by dark grey, thin-bedded fine-grained lithic sandstone and siltstone; siltstone and sandstone commonly as sharp-based graded beds **(Imperial Fm)**

uDC **CANOL:** dark grey to black noncalcareous, soft to very hard shale with scattered, orange-weathering, carbonate nodules and minor chert **(Canol and minor Hare Indian fms)**

MIDDLE DEVONIAN

DH **HUME:** assemblage of fossiliferous limestone (3) and similar, laterally equivalent units (1) and (2) and (4)
1, buff-brown weathering argillaceous to silty, dark grey, fine-grained limestone, platy to thin-bedded; minor intercalated irregularly banded orange weathering dolostone and thin beds of resistant; orange-brown weathering limestone; richly fossiliferous **(Headless Fm)**
2, massive, thick-bedded, fine to medium-grained, light grey weathering limestone **(Nahanni Fm)**
3, dark grey, finely crystalline fossiliferous limestone and minor shale **(Hume Fm)**
4, buff-orange weathering thin to medium-bedded silty limestone **(Funeral Fm)**

DL **LANDRY:** thin to very thick bedded, resistant, light grey weathering, medium to light grey and brownish crypto-grained limestone; massive and thick-bedded bioclastic, locally reefoid limestone; black, platy limestone **(Landry Fm)**

UPPER LOWER TO LOWER MIDDLE DEVONIAN

DB **GRIZZLY BEAR:** limestone, white grey weathering, cliff forming, blocky partings, massive, fine to medium crystalline; scattered corals, brachiopods, bryozoans and twin canal echinoderm ossicles **(Grizzly Bear Fm)**

MIDDLE DEVONIAN

DN **NATLA:** dark grey weathering, platy, thin-bedded, recessive sooty limestone, in part crinoidal; uncommon beds of massive crinoidal limestone **(Natla Fm)**

LOWER AND MIDDLE DEVONIAN

DG **GOSSAGE:** assemblage consists of limestone and dolostone (1) and partly equivalent black limestone (2) and shale (3)
1, black, calcareous shale; black richly fossiliferous limestone; orange brown weathering dolostone **(Michelle Fm)**
2, dark grey and black, fine-grained limestone; recessive light grey, thick-bedded argillaceous limestone; black, argillaceous limestone; calcareous shale; marine **(Ogilvie Fm)**
3, limestone and dolostone, light grey and dark brownish grey, fine to medium-grained, mostly alternating dark and light coloured medium to thick beds **(Gossage Fm)**

UPPER SILURIAN TO LOWER DEVONIAN

SDD **DELORME:** buff to orange weathering, well-bedded, buff, light grey, brownish grey and dark grey, very fine grained dolostone; platy to flaggy, wavy banded blue-grey silty limestone with rare thin beds of buff weathering dolostone **(Delorme Fm)**

UPPER CAMBRIAN TO LOWER DEVONIAN

ЄDB **BOUVETTE:** lower Paleozoic undivided carbonate (1) with locally named tongues(?) (2) and (3)
1, grey and buff-weathering dolostone and limestone, medium to thick-bedded; white to light grey weathering, massive dolostone; minor platy black argillaceous limestone, limestone conglomerate, and black shale; massive bluish-grey weathering dolostone **(Bouvette Fm, unit ЄDb)**
2, biogenic, oolitic, siliceous, massive limestone; marine **(Jones Ridge Fm)**
3, light grey, thick-bedded, pelletoidal limestone **(Vunta Fm)**

CAMBRIAN TO DEVONIAN

ЄDR **ROAD RIVER - RICHARDSON:** black graptolitic shale, limestone and minor chert with mappable subdivisions (1) through (5) in Richardson Mtns.; correlations with Selwyn Mtns. include: lower (2) with ЄOR, upper (2) with OSR1, (4) with OSR2 and (5) with lower DME2 **(Road River Gp)**
1, calcareous black shale and limestone (ЄDR0 **of Norris, 1997)**
2, lower: pale yellow to grey weathering, thin to medium-bedded, shaly limestone with minor shale interbeds; minor chert and intraclast conglomerate; upper: black chert, graptolitic shale, silicified limestone and minor intraclast conglomerate (ЄDR1 **of Norris, 1997)**
3, sharpstone breccia, heterogeneous, commonly with limestone and chert clasts; turbiditic (ЄDR2 **of Norris, 1997)**
4, interstratified, yellowish to orange weathering argillite and yellowish to grey weathering shaly limestone and dolostone; minor black, calcareous shale, intraclast conglomerate and breccia (ЄDR3 **of Norris, 1997)**
5, graptolitic, black shale and shaly limestone; minor limestone, intraclast conglomerates and breccia (ЄDR4 **of Norris, 1997)**
6, black and grey chert, locally bioturbated; black and blue-black, siliceous, graptolitic shale; minor limestone

UPPER ORDOVICIAN AND SILURIAN

OSK **KINDLE:** dolostone succession includes mostly two laterally equivalent and lithologically similar formations (1) and (2), a partially equivalent local clastic-carbonate assemblage (3) and locally undivided carbonate of similar age (4)
1, thick-bedded, dark grey to black and minor light grey weathering dolostone; locally massive, vuggy and reefoid; minor chert **(Mt. Kindle Fm)**
2, thick-bedded, black, coarse-grained dolostone and interbedded grey weathering laminated dolostone with nodules and bands of black chert; medium grey weathering, platy, grey argillaceous limestone with minor chert shale; massive and reefoid dolostone **(Whittaker, Nonda fms)**
3, well-bedded siltstone, sandstone, dolostone and shale
4, thick-bedded to massive light grey dolostone and limestone; dark grey, fetid limestone; includes undifferentiated beds as young as Lower Devonian

UPPER CAMBRIAN AND ORDOVICIAN

ЄOF **FRANKLIN MOUNTAIN:** dolostone succession with local basal quartzite and red bed member; includes two laterally equivalent and lithologically similar formations (1) and (2)
1, grey, argillaceous, sandy and silty dolostone; basal red beds member consists of sandstone, red shale, conglomerate, dolostone and chert **(Franklin Mountain Fm)**
2, well-banded, rhythmically bedded, grey and buff-orange dolostone; includes grey to black dolostone and dark grey to black limestone; local basal member of maroon dolostone and sandstone, silver-grey sandstone and sandy dolostone **(Broken Skull Fm)**

UPPER CAMBRIAN

uЄT **TAIGA:** striped yellow and orange weathering fine crystalline, light grey limestone; light grey weathering, thick-bedded and massive dolostone; minor brown and green shale **(Taiga Fm)**

MIDDLE CAMBRIAN

mЄH **HESS RIVER:** shale, black, pyritic, unfossiliferous; occurs as interstratified thick units of black calcareous shale and rusty black shale **(Hess River Fm)**

NORTH

G

NA (NORTH AMERICA)

LOWER AND MIDDLE CAMBRIAN

lmЄS **SLATS CREEK:** siltstone, sandstone and shale (1) and partly(?) correlative clastic rocks (2)
1, rusty brown weathering, turbiditic, quartz sandstone with minor shale and siltstone; pale red weathering siltstone, sandstone, quartzite pebble and cobble conglomerate and limestone; maroon with green argillite with minor quartzite and limestone **(Slats Creek Fm)**
2, grey, green and red argillite with laminated quartzite and siltstone; light brown quartzite at base; locally with grey-green chloritic shale and siltstone interbeds; trace fossil "Oldhamia", trilobites and archaeocyatha in basal conglomerate unit **(Adams Argillite)**

lЄI **ILTYD:** limestone assemblage (1), (2), (3); also includes carbonate strata of uncertain Proterozoic to Cambrian age (4)
1, fine-crystalline, dark grey limestone; light grey, medium crystalline biohermal dolostone **(Iltyd Fm)**
2, fine-grained, yellow brown limestone, limy conglomerate-breccia; locally chert and chalcedony replacements; uncommon archaeocyathid and trilobite fossils **(Hillard Fm)**
3, massive, light grey limestone, locally dolomitic; in places oolitic or contains dark grey chert; includes secondary silicification and chalcedony vugs **(Funnel Creek Fm)**
4, light grey, medium-bedded dolostone; massive, pale grey limestone

LOWER CAMBRIAN

lЄS **SEKWI:** limestone, locally wavy bedded and nodular; limestone conglomerate slope breccia; massive grey dolostone; medium to thick-bedded quartz sandstone; purple siltstone; bright orange weathering, fine-crystalline dolostone **(Sekwi Fm)**

NEOPROTEROZOIC TO LOWER CAMBRIAN

uℙЄV **VAMPIRE:** dark brown weathering, thin-bedded, argillaceous fine-grained sandstone and siltstone, minor interbedded medium to coarse-grained white to light grey orthoquartzite, phyllite, slate, and argillite **(Vampire Fm)**

ℙЄB **BACKBONE:** massive quartzite (1) with regionally extensive carbonate member (2) and local mafic volcanic rocks (3)
1, light grey, red-brown, white, and pink, thick-bedded, medium to coarse-grained orthoquartzite; minor brown or maroon phyllite, platy siltstone, silty shale, thin-bedded fine-grained quartzite, grey limestone and sandy to pebbly limestone **(Backbone Ranges Fm)** - ℙЄB
2, crypto-grained, mottled, mauve, pink, banded limestone and dolostone, locally silty, sandy or pebbly; massive light cream to pink weathering dolostone; massive grey limestone; minor quartzitic sandstone and brick red to purple shale **(Backbone Ranges Fm, "middle" carbonate mb)** - ℙЄBc

ℙЄBc

uℙЄI **INGTA:** varicoloured quartzite, siltstone and shale, minor silty and sandy dolostone **(Ingta Fm)**

NEOPROTEROZOIC (EDIACARAN)

uℙRi **RISKY:** buff grey to buff yellow weathering poorly bedded, in part pisolitic dolostone, in part porous fine-grained dolostone; varicoloured quartzite, siltstone and shale, minor silty and sandy dolostone **(Risky Fm)**

uℙB **BLUEFLOWER:** fine-grained siliciclastic and carbonate rocks, and locally conglomerate **(Blueflower Fm; equivalent in part to Yusezyu Fm, Hyland Gp)**
1, buff, grey and pale yellow-weathering limestone, planar and cross-bedded, interbedded with green-grey shale **(lower mb)**
2, green or grey, rhythmically bedded mudstone, siltstone, and fine sandstone; matrix-supported conglomerate; grey and orange-coloured carbonate boulders in orange-brown-weathering, poorly sorted sandstone matrix **(middle mb)**
3, brown-weathering, shale, siltstone and sandstone; pale grey-pink sandstone and grit; calcareous shale; sandy limestone; mudstone, siltstone; thinly bedded silty limestone **(upper mb)**

uℙG **GAMETRAIL:** grey, yellow and orange weathering dolostone, dolomitic siltstone/sandstone and limestone, commonly planar and/or cross-laminated; calcareous shale and siltstone; maroon shale; carbonate-clast breccia and conglomerate **(Gametrail Fm)**

uℙN **NADALEEN:** brownish-grey siltstone, mudstone, limestone; limestone conglomerate; rhythmically, thin to medium-bedded mudstone and siltstone; pink-grey sandstone and quartzite; calcareous sandstone and granule-pebble conglomerate **(Nadaleen fm)**
1, diamictite, conglomerate; clasts of carbonate and quartzite, pebble to boulder; matrix locally sandy; grey limestone; calcareous sandstone and grit **(lower carbonate)**
2, grey, well-bedded silty limestone
3, diamictite, conglomerate; clasts of carbonate and quartzite, pebble to boulder; matrix locally sandy; grey limestone
4, pink-grey quartz arenite, granule-pebble conglomerate
5, black crystalline limestone
6, grey to greenish-brown rhythmically bedded fine-grained sandstone, siltstone, mudstone; maroon siltstone-mudstone **(Stenbraten mb)**

uℙS **SHEEPBED:** recessive, black weathering shale and siltstone; minor quartzite and limestone **(Sheepbed Fm)**

NEOPROTEROZOIC (CRYOGENIAN)

uℙHC **HAY CREEK:** post-rift fine to coarse siliciclastic rocks (1) and equivalent dolostone (2), cap dolostone (3) and glacial diamictite (4)
1, thin-bedded, brown weathering siltstone, shale interbedded with sandstone, granule to pebble conglomerate, and light grey weathering dolostone **(Hay Creek Gp, Twitya Fm, Knorr Range (P1) succession)** - uℙHCt
2, massive to thick-bedded, light grey weathering dolostone commonly containing vugs, stromatolites, oncolites, oolites and micritic intraclasts; commonly fetid; minor siltstone, sandstone and grit **(Hay Creek Gp, Profeit Fm, Knorr Range (P2, P3) succession)** - uℙHCp
3, orange and brown weathering, commonly silty and sandy dolostone, in part well-laminated and flaggy; limestone, cross-bedded pebbly quartzite and conglomerate **(Hay Creek Gp, Keele Fm)** - uℙHCk
4, brown weathering diamictite, granule to boulder; interbedded mudstone and siltstone; olistostrome; locally, distinct white dolostone member at top **('Tepee dolostone') (Hay Creek Gp, Ice Brook Fm)** - uℙHCi

uℙR **RAPITAN:** basal (rift) conglomerate (1) overlain by glacial diamictite (2) in turn succeeded by
1, maroon mudstone with interbeds of sandy mud-matrix-conglomerate and pebbles of limestone, mudstone, sandstone and chert; thick-bedded to massive, sandstone and pebble to boulder conglomerate with clasts of carbonate, siltstone and quartz arenite **(Rapitan Gp, Sayunei Fm)** - uℙRsa
2, brown, orange brown, and green weathering massive diamictite with rounded to subrounded pebbles and cobbles of carbonate, sandstone, (?)greenstone, chert, mudstone, granitic and metamorphic rocks; highly ferruginous dark red siltstone; iron formation **(Rapitan Gp, Shezal Fm)** - uℙRsh
3, dark grey to black, orange-brown weathering, polymictic, matrix-supported conglomerate; matrix mudstone to fine siltstone, clasts dominantly sedimentary sandstone, siltstone and limestone **(Eagle Creek Fm in Ogilvie Mtns)** - uℙRec
4, clastic rocks of uncertain affinity west of Nadaleen Mountain - uℙRc

NEOPROTEROZOIC (TONIAN-CRYOGENIAN)

uℙH **HARPER:** a volcanic and coarse-clastic rift succession, including stromatilitic dolostone and local felsic volcanic rocks
1, orange to dark grey weathering diamictite with pebbles to boulders of quartzite and grey dolostone in dolomitic matrix; silty dolostone; dark grey shale; orange-brown to dark brown weathering platy siltstone, sandstone **(Mt. Harper Gp)** - uℙHs
2, massive and pillowed andesitic flows, tuff-breccia, lapilli tuff, and block-and-ash breccia; columnar-jointed basaltic andesite; hyaloclastic breccia **(Mt. Harper Gp)** - uℙHv
3, heterolithic sandstone and conglomerate with pebble to boulder-sized angular and rounded clasts; clasts composed of dolostone, limestone, quartzite, and phyllite from underlying units; medium to thick-bedded, graded or massive, rare dolomitic mudstone, dusky red wackestone/mudstone **(Seela Pass Fm)** - uℙHsp
4, finely laminated sandstone, siltstone, and shale interbedded with laterally discontinuous stromatolitic bioherms at base; sharply overlain by medium-bedded dolostone with abundant domal stromatolites, microbialite, evaporite pseudomorphs and sedimentary talc horizons; at top, interbedded black shale and stromatolitic dolostone; locally includes abundant chert and dolomitic silicified breccia **(Callison Lake Fm)** - uℙHcl
5, diabase dikes and sills - uℙHd
6, light-orange weathering, rubble-forming, rhyolite flows, breccia and ignimbrite; locally quartz and plagioclase-phyric - uℙHf

uℙHcl

NEOPROTEROZOIC (TONIAN)

LℙFd **FRANKLIN SUITE (ca. 725-718 Ma):** medium-grained gabbro dikes intruding Neoproterozoic? quartzite in the Porcupine River region; amphibolite, greenstone (probable correlative with Franklin dike swarm, ca. 725-720 Ma); brown-weathering, aphyric to phlogopite-phyric lamprophyre dikes crosscutting Wernecke and Mackenzie Mountains supergroups, and locally hosting abundant xenoliths; dark-green weathering, fine to medium-grained diorite dikes crosscutting Mackenzie Mountain Supergroup.

uℙL **LITTLE DAL:** thin-bedded, light grey to buff and orange weathering fine-grained dolostone; rare shale and argillite; upper part dominated by orange weathering stromatolitic dolostone and massive vuggy and craggy dolostone and includes gypsum **(Mackenzie Mountain Supergroup, Little Dal Gp)**

uℙK **KATHERINE:** mature, very fine grained, thin to very thick bedded, brown, greenish grey and white orthoquartzite with recessive intervals of dark grey to black shale; rare stromatolitic dolostone **(Mackenzie Mountain Supergroup, Katherine Gp and Tigonkweine fm)**

LℙGd **GUNBARREL SUITE (ca. 780 Ma):** dark-green-weathering, fine to medium-grained diorite within Tsezotene Fm. Locally, diorite is plagioclase-phyric and hosts veins of calcite, quartz and pyrite **(Tsezotene sills)**

uℙTZ **TSEZOTENE:** grey, greenish grey or brown shale with interbeds of very fine grained, thin to medium-bedded, immature, grey and greenish grey sandstone or quartzite and orange weathering dolostone; hosts many gabbroic dikes and sills **(Mackenzie Mountain Supergroup, Tsezotene Fm)**

uℙFu **FIFTEENMILE (UPPER):** siliciclastic-carbonate assemblage comprising two regionally correlated units (1) and (2)
1, black to brown-coloured shale, siltstone, minor sandstone and conglomerate; carbonate grainstone, ribbon-bedded calcisiltite, intraclast breccia, and laminated micrite **('Reefal assemblage')** - uℙFur
2, thick-bedded and massively recrystallized, silicified sucrosic dolostone; occasional ooids, coated grains, brecciated teepee structures, tabular clast conglomerate, intraclast breccia, low-angle and trough cross-stratification, microbialite, and low-relief stromatolites **('Craggy dolostone')** - uℙFuc
3, greyish black shale; limestone; dolostone; diabase dikes and sills; undivided **(Tindir Gp, lower)** - uℙFut

uℙFl **HEMATITE CREEK/FIFTEENMILE (LOWER):** dominantly carbonate assemblage with basal clastic succession
1, rusty weathering black shale with limestone laminates and stromatolite bioherms; dolostone with mudcracks and cryptalgal laminate, chert, teepee and molartooth structure; hematitic quartzite and dolostone; thin-bedded particulate limestone **(Hematite Creek Gp)**
2, grey ribbon-bedded dolostone, oolitic grainstone, stromatolitic dolostone, and microbialaminite with tepee structures **(Gibben Fm)** - uℙFlg
3, basal maroon shale and siltstone with abundant mud cracks; transitions upward into cyclic shale, siltstone, and dolostone intervals with grainstone, stromatolites, or microbialaminite; local stromatolitic bioherms and poorly sorted, massive coarse-grained sandstone beds; upper part contains large carbonate olistoliths **(Chandindu Fm)** - uℙFlch

uℙP **PINGUICULA:** dominantly carbonate assemblage (2) with basal clastics (1); includes possible other correlative carbonate and clastic rocks (3)
1, basal siliciclastic red laminates; brown and grey siltstone and shale **(Pinguicula Gp, unit A)**
2, thin-bedded laminated and flasered limestone; laminated dolosiltite; massive white dolostone with wavy cryptalgal lamination, cross-bedding, tepee structures, extensive dolomite veinlets and chert **(Pinguicula Gp, units B-C)**
3, red, green and grey slaty argillite; fine-grained, light grey quartzite; dolostone **(Pinguicula Gp undifferentiated; assignment tentative, may include Gillespie Lake and Pinguicula gps)**

MESOPROTEROZOIC

MℙB **BEAR RIVER SUITE (ca. 1220 Ma):** dark-green-weathering, fine to medium-grained diorite crosscutting Quartet Gp. Locally, diorite hosts veins of epidote, quartz, calcite, pyrite, chalcopyrite and hematite

mℙH **HART RIVER:** mafic volcanic flows (1) and (3) and their possible intrusive equivalents (2)
1, mafic volcanic flows, generally massive and fine-grained, locally pillowed **(Hart River Volcanics)**
2, resistant dark weathering diorite and gabbro sills and dikes **(Hart River Sills)**
3, basic to intermediate volcanic flows and aquagene tuffs **(Khose Creek Volcanics)**

mℙW **WERNECKE BRECCIAS:** hematitic and dolomitic breccia and related metasomatized country rock; breccia contains variably altered rotated siliceous and carbonate clasts (Wernecke Supergroup) and minor dike rock; breccia and metasomatites enriched in Cu, Co, U, Ag and Au **(Wernecke Breccias)**

MℙgW **WERNECKE SUITE:** diabase dikes associated with Wernecke breccias; may include dikes related to Hart River, Gunbarrel, Franklin or Mt. Harper magmatism

PALEOPROTEROZOIC

lℙG **GILLESPIE LAKE:** dolostone and silty dolostone, locally stromatolitic, locally with chert nodules and sparry karst infillings, interbedded with lesser black siltstone and shale, laminated mudstone, and quartzose sandstone; local dolostone boulder conglomerate **(Wernecke Supergroup, Gillespie Lake Gp)**

lℙQ **QUARTET:** black weathering shale, finely laminated dark grey weathering siltstone, and thin to thickly interbedded planar to cross-laminated light grey weathering siltstone and fine-grained sandstone; minor interbeds of orange weathering dolostone in upper part **(Wernecke Supergroup, Quartet Gp)**

lℙFL **FAIRCHILD LAKE:** siltstone, sandstone (1) overlain by dolomitic siltstone and dolostone (2)
1, lower: greenish grey weathering calcareous laminated siltstone, grey weathering fine-grained sandstone, and minor brown weathering carbonate, ripple cross-laminated;
2, upper: siltstone, dolomitic siltstone, and dolostone **(Wernecke Supergroup, Fairchild Lake Gp)**
3, carbonate

EℙBR **BONNET PLUME RIVER SUITE (ca. 1710 Ma):** greenish-grey-weathering, fine to medium-grained diorite preserved as megaclasts within Wernecke Breccia. Diorite locally hosts disseminations and veinlets of hematite or magnetite, and chalcopyrite

H

Qs

QUATERNARY

Q **QUATERNARY:** unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

AA (ARCTIC ALASKA - NORTH SLOPE)

LATE DEVONIAN

LDO **OLD CROW SUITE (ca. 370-360 Ma):** Paleozoic granitoid rocks in northern Yukon of mostly granitic (q) but including some of syenitic (y) composition
q, medium to coarsely crystalline leucocratic biotite granite, variably altered **(Old Crow, Schaeffer, Sedgwick, Ammerman, and Fitton granites)**
y, leucocratic syenite to hornblende nepheline syenite; medium crystalline equigranular to porphyritic and trachytic **(Dave Lord synodiorite)**

SILURIAN TO LOWER DEVONIAN

SDBH **BUCKLAND HILLS:** dark grey argillite, shale, lithic sandstone, chert granule to pebble conglomerate and conglomeratic sandstone **(Buckland Hills gp)**

CAMBRIAN TO SILURIAN

ЄSB **BARN:** Paleozoic shale, chert, and limestone; local Ordovician? volcaniclastic rocks; Yukon North Slope **(Barn gp)**
1, lower limestone: thin-bedded, light grey to buff limestone; white weathering, black calcareous siltstone (Barn Range) - ЄSBl
2, dark green mafic volcanic and volcaniclastic rocks north of Malcom River (British Mtns) and in adjacent Alaska (Ovc in Alaska); mafic lapilli tuff - ЄSBv
3, well-bedded dark grey, black and bright green chert, interbedded with dark grey siltstone, shale and argillite; rusty weathering, green argillite (Silurian) - ЄSB
4, upper limestone: dark grey, thin-bedded limestone (Barn Range) - ЄSBc

ЄSBv

ЄSBc

CAMBRIAN

ЄWM **WHALE MOUNTAIN:** red-weathering, locally amygdaloidal basalt, volcanic conglomerate, minor limestone, calcareous coarse clastic rocks, mudstone and magnetite iron formation; Late Cambrian trilobites locally **(Whale Mountain volcanics)**

NEOPROTEROZOIC (EDIACARAN) TO CAMBRIAN

uℙЄN **NERUOKPUK:** turbiditic sandstone, quartzite, grit, and pebble conglomerate interbedded with siltstone and lesser argillite; Yukon North Slope **(Neruokpuk Fm)**
1, fine to coarse sandstone, grit and pebble conglomerate, poorly sorted, turbiditic, locally feldspathic; siltstone and slaty argillite interbeds; local maroon, green and Oldhamia bearing slate in upper part **(Neruokpuk Fm (senso stricto))** - uℙЄNq
2, slate and argillite, dark grey, maroon, red and green; minor grey limestone, light grey chert, white weathering grey quartzite and siliceous ripple-cross laminated siltstone; Oldhamia trace fossils - uℙЄNa
3, limestone - uℙЄNc

NEOPROTEROZOIC (CRYOGENIAN-EDIACARAN)

uℙF **FIRTH:** turbiditic limestone, siltstone, sandstone, argillite **(Firth gp)**
1, interbedded limestone, chert, and slaty argillite, siltstone and sandstone; highly strained; limestone is dark grey to black and clastic; clastics have common Bouma cycles, load and flute casts, and silty to muddy carbonate interbeds - uℙFsl
2, limestone, dolostone - uℙFc

uℙFc

RECOMMENDED CITATION:

Colpron, M., Israel, S., Murphy, D.C., Pigage, L.C., and Moynihan, D., 2016. Yukon Bedrock Geology Map. Yukon Geological Survey, Open File 2016-1, 1:1,000,000 scale map and legend.