

**Prospecting Report on the Gold Run Project,  
Dawson Mining District  
Yukon Territory, Canada**

*AIME 1 – 26 (YC44707 – YC44732)*

*FB 1 – 60 (YC25506 – YC25565)*

**NTS MAP-SHEETS 1150/10**

**63° 43' N 138° 40' W**

**615000mE / 7068000mN NAD83, Zone 7N**

**DAWSON MINING DISTRICT**

**Work completed: August 18-22, 2014**

**Submitted by: Peter Tallman P. Geo.**

**On behalf of  
Klondike Gold Corp.**



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## 1.0 Executive Summary

During the 2014 exploration season Klondike Gold Corp. (the “Company”) conducted prospecting and rock sampling on the Gold Run Property in the southeast Klondike area, Yukon. The work, part of a larger survey also covering the Lone Star and Dominion properties, investigated areas of interpreted faulting with the objective of documenting related extensional gold-enriched quartz veins and distinguishing them from unmineralized quartz and carbonate veins.

The Company also during 2014 completed an interpretation of Geological Survey of Canada (“GSC”) airborne magnetics (published 2002), particularly relying on first vertical derivative data, and discerned a dextral shear fault which transects the area of the Klondike goldfields from Eldorado Creek to Dominion Creek. The fault has horsetail fault splays underlying the vicinity of Eldorado Creek and a pattern of pinnate extensions between Eldorado Creek and Hunker Dome. The fault continues from Hunker Dome to Dominion Creek but with no pinnate fractures evident. In total the fault is 50 kilometers long and associated horsetail and pinnate extensional faults add considerable breadth of reach to the system. These faults, when overlain on many of the productive placer creeks within the Klondike goldfields, correlate with the divide between placer leases with production (downstream) and placer claims undergoing exploration (upstream), as shown on the YGS placer claims website.

Thirty-seven prospecting samples of all types of quartz veins were collected for assay from throughout the 16.6 square kilometer Gold Run Property and submitted for analysis. Nine of these prospecting samples had a gold assay result ranging from greater than 3 g/t Au to 26.4 g/t Au. All nine samples contain anomalous silver. Two samples contained visible gold.

Property expenditures are approximately equal to the required assessment costs for one year (see Appendix I).

## 2.0 Introduction

The Company during 2014 completed an interpretation of Geological Survey of Canada (“GSC”) airborne magnetics (published 2002), particularly relying on first vertical derivative data, and discerned a dextral shear fault which transects the area of the Klondike goldfields from Eldorado Creek to Dominion Creek. The fault has horsetail fault splays underlying the vicinity of Eldorado Creek and a pattern of pinnate extensions between Eldorado Creek and Hunker Dome. The fault continues from Hunker Dome to Dominion Creek but with no pinnate fractures evident. In total the fault is 50 kilometers long and associated horsetail and pinnate extensional faults add considerable breadth of reach to the system. These faults, when overlain on many of the productive placer creeks within the Klondike goldfields, correlate with the divide between placer leases with production (downstream) and placer claims undergoing exploration (upstream), as shown on the YGS placer claims website.

Prospecting and rock sampling during 2014 on the Company’s Gold Run property, as part of a larger survey also covering the Lone Star and Dominion properties, investigated areas of interpreted faulting with the objective of documenting related extensional gold-enriched quartz veins and distinguishing them from unmineralized quartz and carbonate veins.

Results indicate the gold-bearing quartz veins within the Klondike goldfields are associated with extensional faulting which transects the Klondike area. There is one genesis of gold-veining consistent throughout the region with similar chemistry, textural characteristics and cross-cutting structural position relative to host rock foliation. The quartz veining produced by extensional faulting (interpreted from GSC magnetic data) can have extraordinarily high gold grades >1000 g/t Au (at Lone Star) and is considered by the author to be the likely source of “Klondike gold” in placers. There is every geologic reason to presume that the region remains prospective for gold-bearing quartz veins.

The age of the gold bearing quartz veining is consistent with MacKenzie et al. (2006) who ascribed a “post-D4” stage to them and an Early-Middle Jurassic age of formation.

This report describes 2014 assessment work for the Gold Run Property, a contiguous block of 86 claims covering a 16.6 square kilometer area that straddles Gold Run Creek near Laskey Creek. Exploration consisted of thirteen man days of rock sampling and prospecting with a crew of three workers. Field work was conducted by I. Mitchell, geologist, W. Keats, prospector, and Peter Tallman, President and CEO of Klondike Gold Corp from a base in Dawson and using a 4WD truck for daily transport.

### 3.0 Property Description and Location

The Gold Run Project located near the eastern end of the Klondike goldfields consists of a block of 60 FB and 26 AIME claims straddling central Gold Run Creek from 24 Pup to 51 Pup including most of Laskey Creek. The claims lie on NTS map sheet 1150/10 within the Dawson mining district. Locations on the property are located by handheld GPS using NAD83 UTM coordinates. Property and claim locations are shown in figures 1 and 2, and claims summary list is tabled below (See Appendix II for full claims list).

Table 1: Summary of Gold Run Claims

Gold Run Project Claim Summary		NTS 1150/10
Claim Names	Owner	Grant Numbers
FB 1 - 60	Klondike Gold Corp.	YC25506 - YC25565
AIME 1 - 26	Klondike Star Mineral Corp.	YC44707 - YC44732

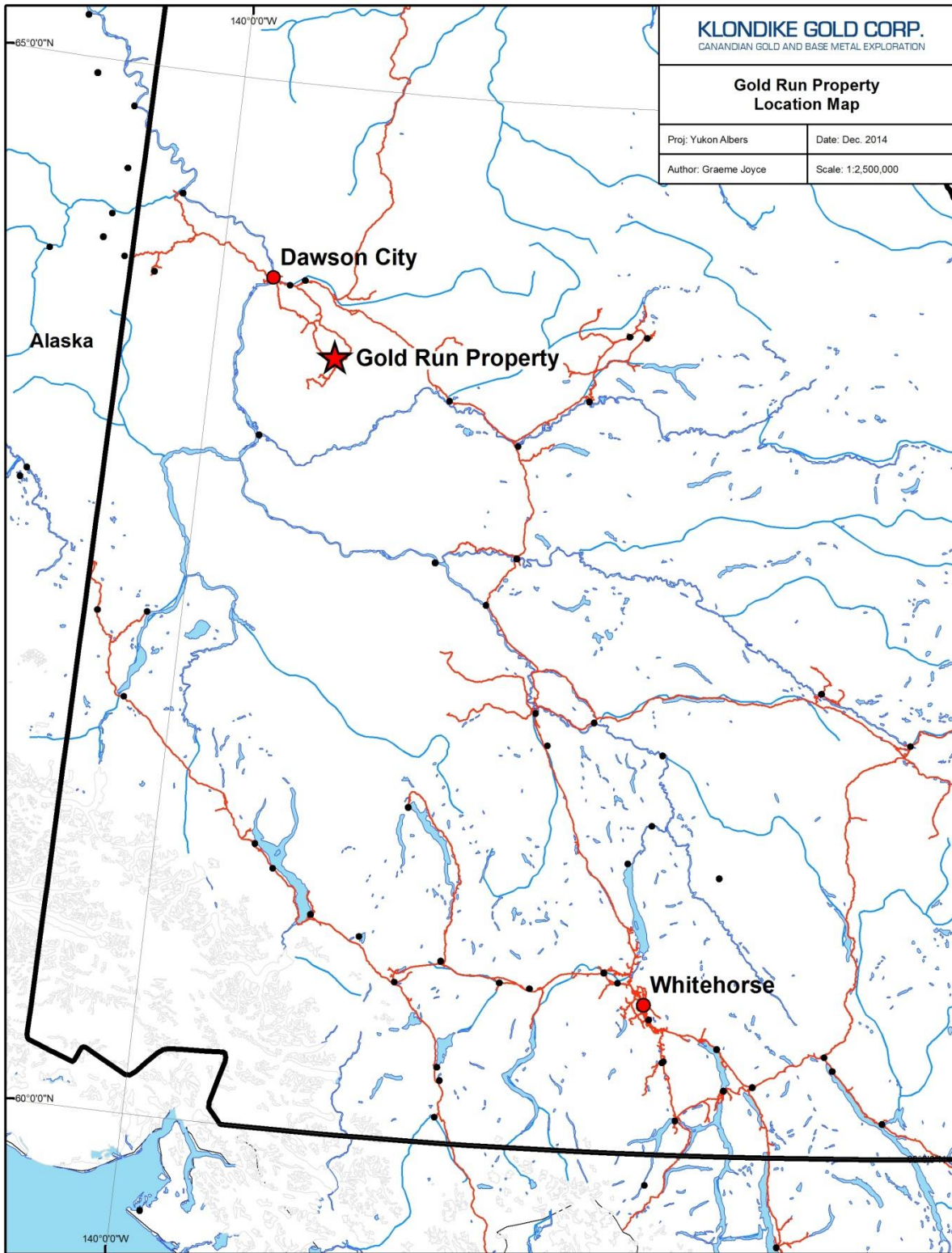


Figure 1: Location Map

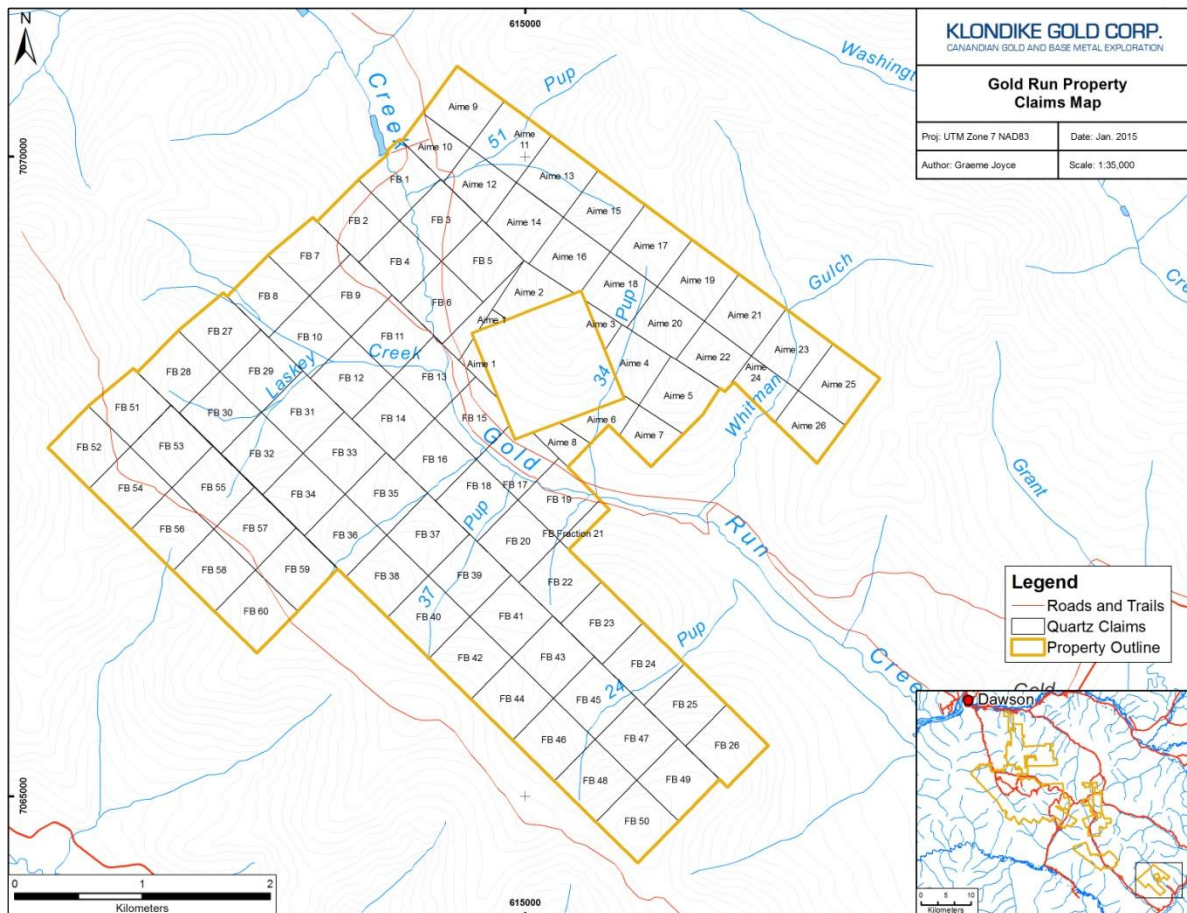


Figure 2: Claims Map

#### 4.0 Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Gold Run Property lies near the geographic eastern end of the Klondike placer goldfields located near Dawson City (“Dawson”), Yukon Territory. Gold in the gravels and bedrock here has been the target of prospectors and placer gold miners since 1896.

Dawson is connected to the territorial capital of Whitehorse via a 480 km sealed, government maintained two-lane highway (the “Klondike Highway”). Electricity in Dawson is supplied by the Yukon Energy Corporation’s territorial power grid (connected in 2004) with back-up diesel power. A 5000’ x 100’ gravel surface lighted Yukon Government airfield at 1214’ (370 m) elevation is located on the outskirts of Dawson. Scheduled daily air service is maintained by Air North using twin-engine turboprop aircraft from Whitehorse, and seasonally by Boeing 737 jet (with special gravel landing kit installed) from Fairbanks, Alaska for cruise ship tourists. Charter fixed wing aircraft of various capabilities are available locally or in Whitehorse. In addition, there are two year-round helicopter bases (Trans North Helicopters and Fireweed Helicopters) in Dawson. Other helicopter companies establish seasonal bases as needed. Regular truck freight, parcel and mail, and fuel services supply Dawson via the highway.

Dawson offers normal town facilities such as hotels, restaurants, grocery, clothing, building supplies and hardware stores, engineering supplies and two bulk fuel depots.

The Gold Run Property lies within the traditional territory of the Tr'ondëk Hwëch'in First Nation. The Tr'ondëk Hwëch'in are based in Dawson with roughly 1,100 members who are descended from the Han-speaking people. Tr'ondëk Hwëch'in began negotiating their individual land claim in 1991. The Tr'ondëk Hwëch'in Final Agreement was signed on July 16, 1998, and came into effect on September 15, 1998.

The Gold Run Property has a number of access points. The Hunker Creek-Bonanza Creek road and Dominion Creek–Sulphur Creek road are inter-connected government maintained loop roads that provide access from the Klondike Highway to the centre of the Klondike goldfields area. The Gold Run Creek road forks north off the Dominion Creek road to provide the best access to the Gold Run Property claims. An historic trail that is not maintained leaves the Sulphur Creek road above Green Gulch and provides access across Dominion Mountain to the head of Gold Run Creek. A third rough trail leaves lower Sulphur Creek road and provides access to the ridge at the northwest part of the FB claims, with a spur that leads to the FB 23 claim.

The main roads are 2-wheel drive dirt and gravel roads and have significant traffic through the summer. They are not plowed in the winter, but are cleared and graded from April until October. Dirt trails, some requiring 4-wheel drive or ATV, branch from the main roads and provide a network which allows relatively easy access by vehicles and equipment to most areas on the claim block. There are several placer mines active on Gold Run Creek, and in some cases these operations may provide heavy equipment or logistical assistance to exploration efforts.

The Gold Run property is within Central Yukon Basin climatic zone, characterized by a sub-arctic climate, with normally low annual precipitation (approximately 400 mm total precipitation). The exploration season typically extends from May through October by which time nightly temperatures are below freezing and there may be a few centimeters of snow on the ground. Winter temperatures may drop to at least -40 °C for up to six weeks in January and February.

The Klondike region consists of rugged topography of rounded hills and V-section valleys since this region was not recently glaciated. The hills have therefore a more subdued profile than the eastern Yukon, with cliffs being only prominent along the Yukon River valley. Weathering of the region has had a lengthy history, resulting in few natural fresh rock exposures. The Gold Run project is situated in the Yukon Plateau ecoregion, part of the Boreal Cordillera ecozone (Smith et al, 2004).

Dawson City is on the Yukon River at 1050' (320 m) elevation and the highest point near the Gold Run property, King Solomon Dome, is at 4032' (1229 m). Elevation on the property ranges from a low of 600 m to a high of 900 m. The property area circa 1900 was denuded of large timber by cutting to either supply mines and fuel boilers or by forest fires, and is now covered by regrowth of spruce, poplar, birch and alder (see figure 3 below).



Figure 3: Physiography of the Claims - Looking north with placer stripping on Laskey Creek (left centre) and older working on Gold Run Creek (right). Vegetative regrowth comprised of spruce, poplar, birch, and alder.

## 5.0 History

- 1896: Start of placer exploration and mining in the Klondike, along with quartz exploration.
- 1897: Start of placer mining on Gold Run Creek which underlies the centre of the Gold Run claim group. This creek has been a major placer gold producer, with mining continuing to the present.
- 1900- 1901: Staking and surveying of Quartz claims in the lower Gold Run area (Yukon Minfile 1150 061 PAYNE).
- 1901: Report by A. McMillan of a gold-bearing quartz vein striking northwest along the ridge between Gold Run and Sulphur Creeks. This target area is partly covered by FB claims, but the vein has never been confirmed despite considerable subsequent investigation.
- 1901- 1903: Old Kentucky Lode and OKL extensions 2 & 3 staked and explored by pits and shallow shafts (Yukon Minfile 1150 132 DEVINE). The Old Kentucky Lode showing is

on the FB claims, while the extensions are on competitors ground to the northwest (probably the Kentucky West and Doron targets of Kreft).

- 1902: Underground testing of gold-quartz veins at PAYNE. 50 m adit and two shafts, with bulk samples tested at the Munger mill in Dawson. Claims lapsed in 1903.
- 1911: Cairnes visits and describes many of the lode gold prospects in the Klondike, but did not report on the Gold Run Creek area.
- 1913: PAYNE showings restaked by J. Lloyd. At least 100 m of tunnel dug by 1925, with exploration continuing until 1930.
- 1914: Maclean visits and reports on many of the lode gold prospects in the Klondike, but did not report on the Gold Run Creek area.
- 1922- 1928: trenching and shallow shafts dug by J. Devine in the DEVINE area.
- 1929- 1938: more trenching and shallow shafts dug by J. Devine in the DEVINE area.
- 1967: Airborne magnetics survey of area published by Geological Survey of Canada.
- 1976: PAYNE workings restaked by F. Burkhard as DEB. The DEB claims are still in good standing.
- 1978: bulldozer trenching at DEB by F. Burkhard. This was the last exploration work done on these claims.
- 1982: A large block of G. HAWK claims were staked by W. Hawkes in the area.
- 1983: Archer Cathro associates conducted geological mapping to the north of the KLAM claims which surrounded the DEB claims. The assessment report contains an excellent historical summary of exploration and placer mining at Gold Run Creek (Mortensen, 1983).
- 1984: Bedrock geology map, 1:50,000 published (Debicki, Open File 1984-3).
- 1984: United Keno Hill Mines staked quartz claims over many of the main placer creeks in the Klondike, including the RUN claims at upper and lower Gold Run Creek. They flew 3 airborne surveys and conducted minor VLF-EM ground surveys. They drilled 95 rotary percussion holes in 14 areas, including 5 holes in a fence across upper Gold Run Creek (about 4 km north of the FB claims) and a second 5 hole fence located near the mouth of Whitman Gulch, just south of the FB & AIME claims (assessment report #091634, Minfile 115O 134 CARON).
- 1984- 1985: The LASS claims were staked in the Laskey Creek area by L. Gatenby, who explored with B horizon soil sampling in the Kentucky Lode area (Gatenby, 1984). This work returned numerous low level gold anomalies, and was followed by bulldozer trenching in 1985 beside the old shaft.
- 1986: United Keno Hill Mines staked and explored the RIJ claims on the ridge between Gold Run and Sulphur Creeks to cover an airborne geophysical anomaly and to cover a quartz vein exposed in a bulldozer cut in the area reported by McMillan in 1901. 303 widely spaced soil samples were collected on a grid, with 10 returning over 25 ppb Au, and a maximum value of 305 ppb Au. A VLF survey identified an anomaly. An excavator trench was dug to test the VLF anomaly and the coincident maximum gold value. The

trench was 260 m long and 7 m deep, and revealed a graphitic schist unit but little gold (Ouellette, 1986).

- 1986- 1988: Doron staked the BTTA claims northwest of the RIJ claims (mostly on current FB claims). Soils and prospecting were performed. Added the Kentucky claims in 1987, further soils and prospecting. More soils in 1988. A cut line grid on the Kentucky claims with a 2.4 km due east baseline and 20 N-S 800 m long wing lines was established near the Kentucky West zone. 800 soils were collected, and 4 significant anomalies identified in the Kentucky (DEVINE) area (Davidson & Lueck, 1988). The eastern end of the baseline crosses the current FB 7 claim.
- 1994: Wealth Resources acquired the G. Hawk claims, which covered most of the current FB & AIME claims, and also part of the expired Kentucky claims of Doron. They collected 300 B horizon soil samples from two grids. The main HW2 grid partially overlaps with Doron's Kentucky grid, but has lines spaced 250 m apart, and extends further to the north and south. A two line grid (HW) was sampled north of the DEB claims. A placer pit on Gold Run Creek excavated by Teck on the current FB 1 claim was mapped and sampled. A quartz pod with chalcopryrite and chalcocite returned 59 g/t Au & 187.5 ppm Ag (Southam, 1994).
- 1994: A fence of 32 auger holes was drilled near the mouth of Gold Run Creek on the GR 55 & 56 claims (still current) by J. Christie. The holes were 6.5" in diameter, spaced 25 feet apart, drilled 10 feet deep, collared in bedrock exposed in a placer pit. The holes cut various hues of green schist, and returned a best value of 85 ppb Au.
- 1996: Barramundi Gold Ltd staked and optioned much of the Klondike area, over 3000 claims. Their property covered much of the current Gold Run group. As part of their exploration program, Barramundi collected 210 regional stream silt samples that cover most of the current Gold Run group. Anomalous gold values were found at the headwaters of 37 & 51 pups, with the best values in the Gold Run drainage from the unnamed pup between 24 and 37 pups. (Stevens, 1996. assessment report #093711, which comprises 4 separate reports). This pup drains the anomalous southern area of this report.
- 1996: Bedrock geology maps, scale 1:50,000 published, including 1150/ 10 (Mortensen, Open File 1996-1).
- 2000- 2002: The northern part of the DEVINE occurrence (Kentucky West) was staked as the HIT claims by KSL (Adamson & Thomas, 2002). They performed 12 lines of MMI soil geochemistry in the same general area previously sampled by Doron and Wealth.
- 2002: Airborne magnetics and radiometrics geophysical survey, 1:50,000 scale published (Shives et. al., GSC Open File 4308).
- 2003: FB claims staked by Klondike Gold Corp.
- 2004: Prospecting and soil sampling on the FB claims. Some moderate soil anomalies were located, and rock grab samples up to 2.43 g/t Au (assessment report #094689).
- 2005: Prospecting and soil sampling on the FB claims (assessment report #094579).

- 2006: AIME claims staked by Klondike Star Mineral Corp. MMI and conventional soil sampling on the AIME & FB claims (assessment report #094783).
- 2007: B. Kreft staked the GR claims north of the FB claims, collected 94 soil samples, and excavated 5 trenches totaling 124 m length. 57 channel samples and 4 grab samples were collected from the trenches. The trenching returned 15 anomalous zones with values up to 2242 ppb Au over 18.2 m from trench 4 at the Doron target. The Doron target lies about 100 m from the FB property boundary (Kreft, 2007).
- 2008: Prospecting and soil sampling on the FB & AIME claims. 88 soils and 1 rock collected. Soil anomalies between the PAYNE and DEVINE occurrences were enhanced and confirmed, and extended to the east of the DEB claims. (Mann & Liverton, 2008).
- 2009: B. Kreft expanded his claim block to the northwest and continued trenching in the Doron area located immediately north of the FB claims (Kreft, 2009). 9 additional trenches were dug, and the Doron zone is found to contain at least 19 auriferous alteration and vein zones over a width of about 350 m. Values up to 14.7 g/t Au over 1.9m were returned from chip samples of the trenches.
- 2010: Kreft optioned the GR claims to Kestrel Gold, which appears to have done soil sampling over the entire property (Kestrel Gold corporate website).
- 2010: Taku Gold conducted an airborne magnetic and radiometric survey over their Sulphur project, which includes claims to the southwest of the FB claims.
- 2011: Taku Gold collected ridge and spur soil samples across their Sulphur claims, which led to the identification of the LIONS target about 1 km southwest of the FB claims. This target was covered with a soil grid, and then tested by two excavator trenches which did not reach bedrock. Two gold-silver-arsenic anomalies are present across a 1000m length.
- 2012: Taku Gold drilled 6 holes totaling 881 m at the LIONS target, with weak gold mineralization encountered.
- 2012: Klondike Gold collected 125 soil samples and 5 rock samples in areas northwest and central on the property. 2012 work confirmed the Doron extension onto Gold Run Property claims.
- 2013: Klondike Gold collected 97 soil samples and 27 rock samples in the Northwest Anomalous Zones and the LIONS extension. Results from the Northwest zone had values up to 0.7 g/t Au.

## 6.0 Geological Setting And Mineralization

### 6.1 Yukon-Tanana Terrane

The Klondike region is underlain by Permian age Klondike Schist, correlative with units of the Yukon-Tanana terrane ("YTT") which extends from Alaska to the southern Yukon and British Columbia. The YTT is a diverse lithotectonic terrane of largely continental affinity consisting primarily of quartzitic, pelitic and calcic metasedimentary rocks, and local mafic and felsic meta-igneous rocks. These protoliths are intruded to a large extent by Mesozoic and Cenozoic granitic rocks. The YTT is bound on the north by the

Tintina-Kaltag fault system, and on the south by the Tanana-Denali-Farewell fault system. These fault systems form zones of major right lateral strike-slip movement. Units of YTT are polydeformed and, over a regional scale, show a range of metamorphic grade from lower green schist to amphibolite facies (Mortensen et al., 1992; Roots et al., 2003). Structural styles are consistent with deformation during east to northeastward directed accretion and crustal shortening.

Igneous rocks are widespread throughout the YTT, but are most abundant in the eastern portion of the province. Age dates of plutonic rocks in the YTT generally cluster into three distinctive groups: 1) 215-188 Ma (Late Triassic–Early Jurassic), 2) 110-85 Ma (mid- to Late Cretaceous), and 3) 70-50 Ma (Latest Cretaceous-Eocene). Within the 110-85 Ma group, most age dates cluster within a sub-group ranging in age from 95-90 Ma, and typically referred to as the “Tombstone” suite (Mortinson et al, 2000).

## 6.2 Geology

The northwestern Klondike area is underlain by three recognisable thrust fault bounded assemblages (Rushton et al., 1993) that constitute the Permian Klondike Schist with an absolute age about 260 Ma. These are: Assemblage III of carbonaceous quartz-muscovite phyllite, schist and marble that crops out southwest of the Indian River and also to the northeast of Hunker Creek. Structurally above is Assemblage II of micaceous and chloritic quartzite, feldspathic quartzite, marble and calcareous schists which is intruded by the Mt. Burnham orthogneiss, found in the east of the Klondike. Assemblage I consists of three units: quartz augen schist; the Sulphur Creek orthogneiss; and intercalated chloritic schist, metagabbro, amphibolite, quartzite and felsic schist. A major thrust fault is mapped running north-south along the east side of the claim group. Most of the Gold Run property is underlain by mafic schist.

## 6.3 Structural Geology

Four phases of deformation (D1-D4) have been ascribed to the Klondike Schist and attributed to progressive fabric development. The last “D4” phase is represented as angular folds, shears, and gouge zones ascribed to N to NE compressional deformation of tentatively Early Jurassic age, with an absolute age about 190 to 175 Ma. Academic literature is uncertain if gold-bearing quartz veining is produced by this age of veining.

Subsequent to the “D4” event, Klondike Gold has identified an extensional brittle fault event of tentatively Late Jurassic age inferred to have an absolute age of about 160 Ma. The main fault trends NNW-SSE, has a dextral sense of offset, and extends some 50 km through the Klondike goldfields. At the NNW end the fault terminates in a horsetail splay pattern underlying Eldorado Creek south of Bonanza Creek. Extensional pinnate fracture faults are concentrated between Eldorado Creek and Hunker Dome, and these show rotation due to progressive offset along the main fault of 1500 to 2000 meters implying a long-lived event. (Assuming 2 cm per year for creep on the pinnate extensions, then the main fault was active for 100,000 years).

## 6.4 Quartz Vein System of the Klondike and Mineralization

Two types of quartz veins are common in the Klondike, and are distinguishable by not being an exploration target, or being an exploration target respectively:

a) foliaform veins that are typically concordant with transposed bedding (S<sub>2</sub>) and which may be meters thick, but which are usually lenticular. These are almost always barren of gold and,

b) discordant veins that carry sulphide mineralization (pyrite, with minor galena, chalcopyrite and tetrahedrite) and visible gold which is both commonly contained in selvages of pyrite (or after weathering, pseudomorphs of goethite/limonite) and as free gold grains in the white quartz. The discordant veins are rarely up to 2-3 meters thick and can persist for hundreds of meters strike length. Some spectacular gold grades are reported from this vein type (Rushton et al., 1993; Klondike Gold NR 14-Jan-2015 results from Lone Star). These discordant veins would post-date D<sub>4</sub>.

Base metal and gold primary or secondary enrichment in the Klondike Schist has been postulated and if present may have been emplaced during several events. There is some evidence for VMS type mineralization at the Bronson occurrence west of Bonanza Creek (minfile 1150 113), and a horizon of sulphide mineralized schist investigated during the 2008 season in the Quartz Creek area. Pyrite that predates and postdates the D<sub>3</sub> deformation has been commonly observed. The association of sulphides, sulphosalts and free gold with discordant ("post-D<sub>4</sub>") quartz vein formation is well demonstrated throughout the Klondike area.

## 6.5 Quaternary Geology

The Gold Run project lies in unglaciated terrain, near the western margin of the Cordilleran ice sheet limits. It is in the zone of widespread discontinuous permafrost, with permafrost generally present on north and east facing slopes.

The upland soils in the area, dominated by colluvium have been described by Bond & Sanborn (2006): "... a thin veneer (<25 cm) of loess is preserved on moderate upland slopes. On slopes with a south-facing aspect the loess forms a distinct unit at the top of the B horizon. A minor component of coarser locally derived colluvium appears to have been incorporated in the loess by slope processes in many places. On north-facing slopes, permafrost is commonly present (or has been present), which enhances the colluviation of the surficial deposits. On these slopes, the loess has been incorporated in the underlying colluvium by cryoturbation."

The dominant soil types on ridge crests and south facing slopes are dystric brunisols. The dominant soils on north facing slopes are turbic cryosols.

## 6.6 Property Geology

The main (Late Jurassic?) NNW-SSE fault structure underlies the northeastern claim boundary of the Gold Run property. Chlorite rich mafic schist with locally interlayered phyllite underlies much of the property. Massive dark green serpentinite is reported from the Gold Run Creek bed at the north end of the claims (Southam, 1994) marking a (Early Jurassic?) thrust fault. Grey, unaltered quartz-feldspar porphyry dykes were mapped in the same area. The dykes are up to 5m wide, east-west striking, with

near vertical dips. Minor lenses of black graphitic schist are found within the Klondike Schist, notably along the ridge crest on the west side of the FB claims (Ouellette, 1986).

The veins described at the PAYNE occurrence are typical of gold-bearing veins in the Klondike. White quartz with scattered cubes of pyrite and rare grains of galena and traces of visible gold are discordant to schistosity. The wall rock of the veins is pyritized. Mortensen (1992) reported minor ribboned quartz and mesothermal type salinities and homogenization temperatures at this location. There are no elevated levels of metals or trace elements other than gold reported from these veins.

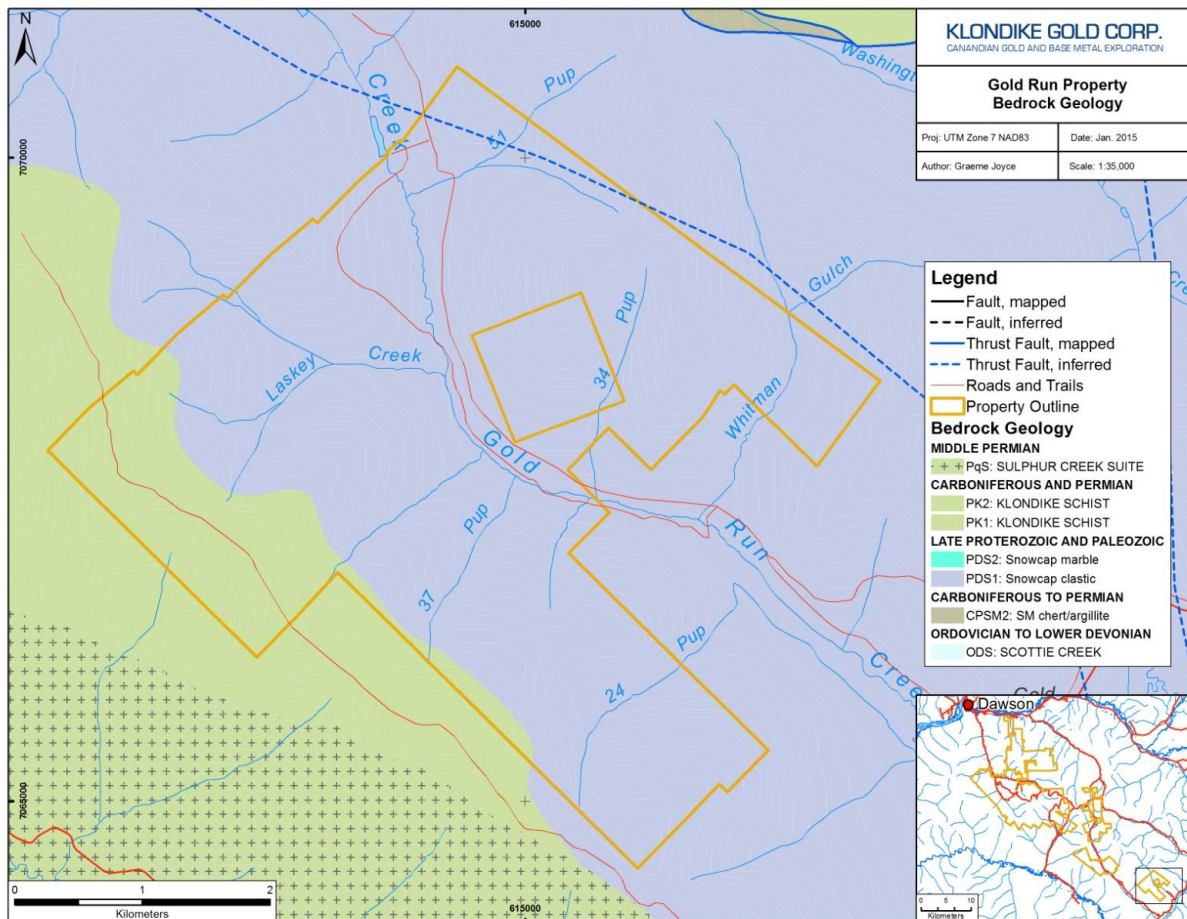


Figure 4: Regional Geology Map

## 7.0 Adjacent Properties

The Gold Run property is surrounded on all sides by claims held by competitors. These claims have numerous geochemical anomalies and minor mineral occurrences. All properties in the area are at an early stage of exploration, except for active placer gold mining on Gold Run and Laskey Creeks.

The Gold Run property adjoins the GR property of B. Kreft, formerly under option to Kestrel Gold Inc. These claims host the Doron, Doron NW and Kentucky West targets that are part of the DEVINE minfile occurrence 1150 132. The Doron occurrence is located immediately adjacent to the northern boundary

of the FB claims of the project. The Doron target is described as having significant widths of gold bearing rusty schists with narrow high grade quartz veins (Kreft, 2009). Trench chip samples reportedly returned 2.2 g/t Au over 18.2 m (including 9 g/t Au over 1.8 m) in T07-04, the trench closest to the FB claims. Chip samples in other trenches returned up to 14.7 g/t Au over 1.9 m. The mineralization is described as iron-carbonate altered and pyritized, plus or minus quartz veins. The host rock is described as unaltered chlorite-quartz +/- biotite +/- sericite schist. The quartz veins associated with mineralization are discordant, northwest trending, generally vertical and typically 2 to 10 centimetres in width with alteration haloes up to 3 m wide. Locally the veins are described as sheeted in nature to form altered zones at least 20 m wide.

The Sulphur project of Taku Gold lies adjacent to the southwest of the FB claims of the Gold Run project. The southeastern block of the Sulphur project extends from the Sulphur Creek – Dominion Creek junction to the northwest, and hosts several low-level gold anomalies, with the best section called the LIONS target (located southeast of Laskey Creek over the ridge in the Sulphur Creek drainage). This zone contains two roughly parallel northwest trending anomalies, the first about 1000 m long and 400 m wide, and the second located 400 m to the north is about 600 m long and 120 m wide. Both contain low to moderate gold in soils (maximum 239 ppb) with “very strong” associated silver and arsenic (Taku Gold website, 2013). The LIONS target was tested by 2 trenches in 2011 (which did not reach bedrock) and 6 drill holes totaling 881 m in 2012. The best drill intersection was 0.31 g/t Au over 2.0 m.

The property also surrounds the DEB claims, which contain the PAYNE minfile occurrence (115O 061) which covers several old adits and shafts. These showings have (currently inaccessible) underground workings developed on gold-quartz veins. The mineralization is thought to trend onto the Gold Run group in both directions.

## 8.0 2014 Exploration

Exploration of the Gold Run Property was completed between August 18 and August 22, 2014, with daily access to the property via company truck and based from accommodations in Dawson. No company exploration camp is located on the property.

Prospecting was guided by interpreted magnetics and investigated areas of faulting with the objective of documenting gold-enriched quartz veins and distinguishing them from unmineralized quartz and carbonate veins. Thirty-seven prospecting samples of all types of quartz veins were collected for assay from throughout the Gold Run property and submitted for analysis.

Nine of these 2014 prospecting samples had a gold assay result ranging from greater than 3 g/t Au to 26.4 g/t Au. All nine samples contain anomalous silver. The nine significant assay results are tabulated below.

Table 2: Gold Run Property Assay Results

ID #	Note	Au g/t	Ag g/t	Location	Outcrop/Float
1961693	VG	26.4	2.9	NW soil anom	FL
1961928		24.8	3.6	Gold Run Creek	OC
1961927		23.6	5.5	Gold Run Creek	OC
1961686	VG	16.3	2.3	NW soil anom	FL
1961677		15.1	1.9	Gold Run Creek	OC
1961690		12.6	2.5	NW soil anom	FL
1961930		5.1	1.0	34 Pup	FL
1961692		5.0	0.3	NW soil anom	FL
1961689		3.0	0.4	NW soil anom	FL

Prospectors identified visible gold in two samples of quartz vein boulders (ID # 1961686 and 1961693) located 25 meters apart while following up anomalous gold-in-soils in the northwest part of the property. Three samples of quartz veins in outcrop from different parts of Gold Run Creek assayed between 15.1 g/t and 24.8 g/t Au from cross-cutting narrow extensional quartz veins containing clots of pyrite. The NW soil anomaly area adjacent to the projected location of the main NNW-SSE shear remains an area of prospective interest (see Appendix III and IV for rock sample data and assay data).

Extensional quartz veins of economic interest sampled at the Gold Run Property are ascribed to late or post-D4 veining; all have similar observed textural features, structural characteristics, and geochemistry, and are interpreted to be generated by an extensional fault system documented by Company and GSC airborne magnetics.

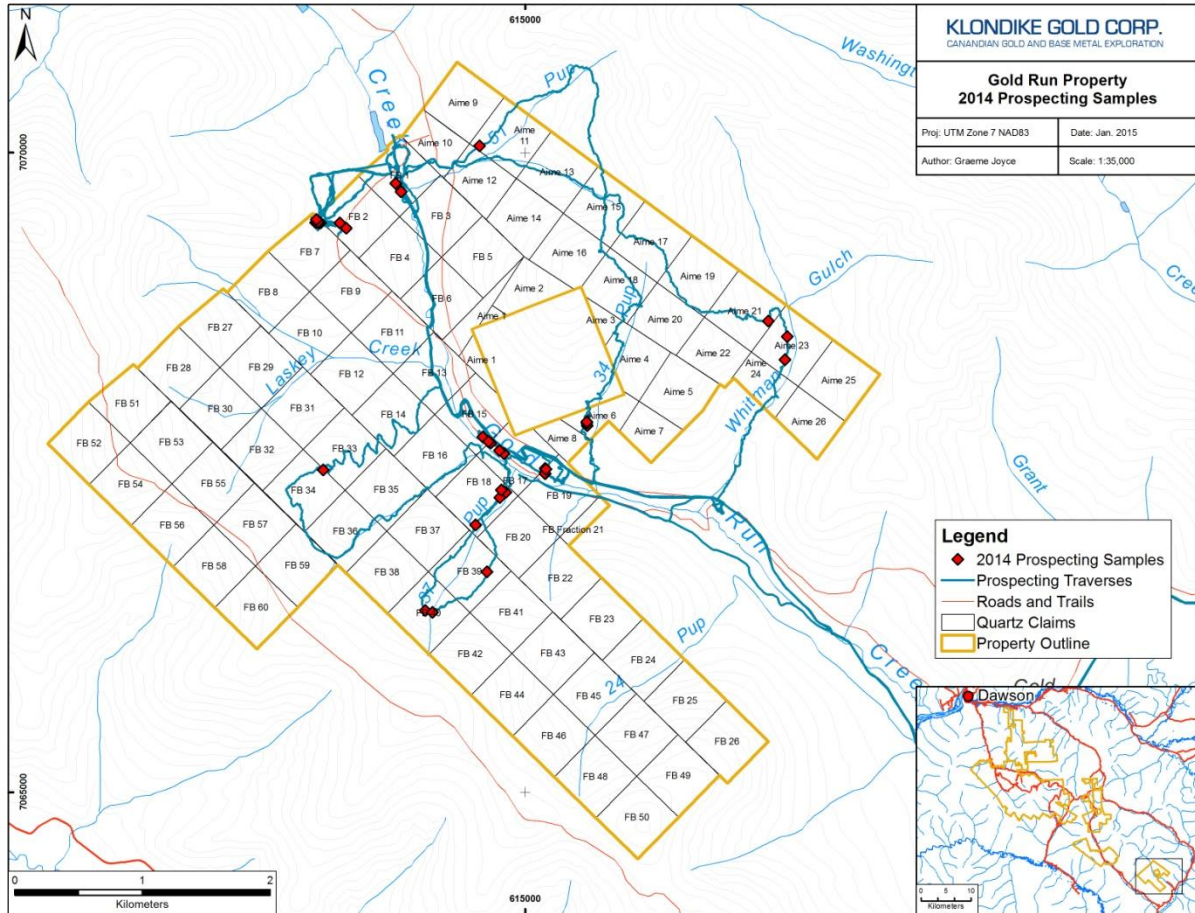


Figure 5: Prospecting Samples Location Map

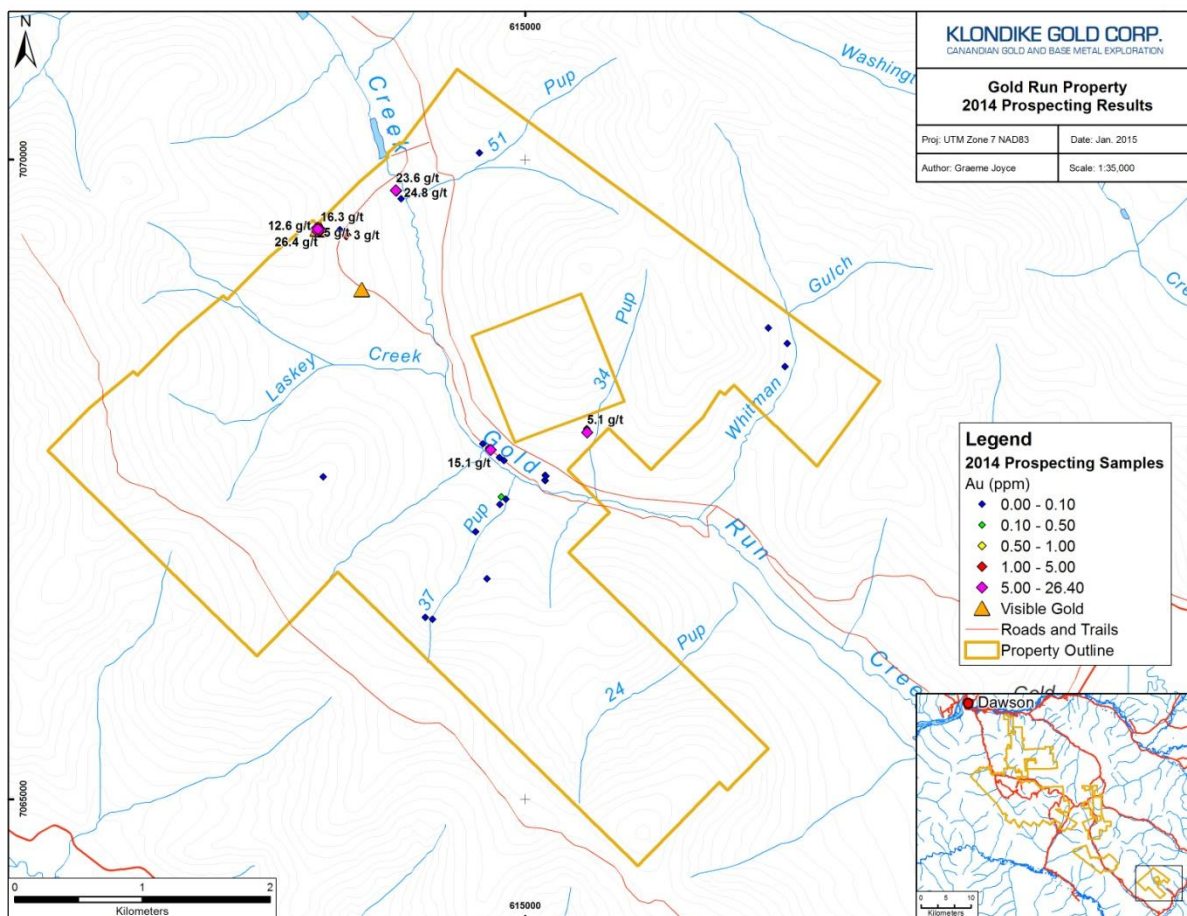


Figure 6: Prospecting Samples Results Map

## 9.0 Sample Preparation, Quality Assurance and Quality Control, Analysis, and Security

Prospecting samples are selective in nature, non-representative rock grab samples of bedrock or boulders collected to test for the presence or absence of gold and other ‘economic’ minerals. Systematic additional test results may vary significantly. Samples are usually 0.5 kg to 2.0 kg in weight. The Company’s samples are spatially located to within 5 meters using a hand-held Global Positioning System (“GPS”) in NAD83 datum, assigned a unique assay tag, described, photographed using a GPS-enabled camera, then placed in a plastic bag and sealed. Groups of sealed sample bags are aggregated in large fiber bags then security sealed for shipment. For samples collected in 2014, the fiber bags were retained in locked storage in the Company’s Dawson office until after the end of the field season before being delivered by Company personnel directly to the lab. Samples were submitted to Bureau Veritas Mineral Laboratories (“BV Labs”) (formerly Acme Labs) preparation facility in Whitehorse, YT with chemical analysis of sample pulps completed in Vancouver, British Columbia. Bureau Veritas Labs is an accredited ISO 9001:2008 full-service commercial laboratory.

At BV Labs each 1 kg rock sample is crushed to 80% passing 2 mm size. A 250 g subsample is pulverized to >85% passing -75 microns size (Code PRP70-250). A 30 g (1 assay ton) subsample is assayed for gold by fire assay (“FA”) fusion with an atomic absorption (“AA”) finish (Code FA430). All over-limit results in excess of 10 ppm (10 g/t) for both silver and gold are re-assayed. The re-assay uses a 30 g subsample and is assayed by FA with a gravimetric finish (Code FA530-Au/Ag). Samples were also analyzed for multi-element chemistry by ICP-MS analysis (AQ200+U code). Samples over-limit in lead are rerun by a high-detection limit ICP-ES procedure (Code MA370).

No Company standards, blanks, or duplicates or blank samples were inserted into the sample stream in 2014, as it was not considered to be necessary for a small program of early stage work. BV Labs inserted and completed analyses on 41 duplicates, 51 blanks, 32 Au-only standards, 33 Ag-Au standards, 6 Pb standards, and 28 ICPMS standards as part of QA/QC process on Klondike Gold’s 2014 submitted samples (including those from Gold Run property). All results were within expected bounds and within error limits of detection.

## 10.0 Interpretation and Conclusions

The Gold Run property covers a 16.6 square kilometer area in the vicinity of Gold Run Creek located near Dominion Creek in the eastern portion of the Klondike goldfields.

Interpretation of GSC magnetics, particularly first vertical derivative data, suggests a main NNW-SSE fault runs the 50 km length of the Klondike goldfields and underlies the northern claim boundary of the Gold Run property. This dextral fault is assumed to be the source of extensional quartz veining containing gold found in outcrop and float on the property. These veins have similar physical and chemical characteristics throughout the Klondike area.

## 11.0 Recommendations

The Gold Run property has potential for extensional quartz veining and brecciation in proximity to the NNW-SSE trending main fault. Potential for quartz veining would be enhanced if an extensional second-order structure like the pinnate faults observed further to the west could be documented. The intersection of the main (first-) and pinnate (second-) order faults should be targeted for gold mineralization.

An airborne magnetic survey with much better resolution versus the GSC survey (500 meter line spacing; 120 meter sensor height) is recommended, or a ground walking magnetics survey is recommended. Contingent upon positive results of this survey, further prospecting, trenching, and drilling should be contemplated.

Historical data including results of several soil sampling surveys in assessment reports from the Gold Run property area should be compiled into the Klondike Gold digital database. Specifically, the area west of Gold Run Creek and north of Laskey Creek has been soil sampled by Gatenby (1984), Doron (1988), Wealth (1994), KSL (2000- 2002), Klondike Gold/ Klondike Star (2004- 2012), Kreft (2007- 2009) and Kestrel (2010).

## 12.0 Statement of Qualifications

I, Peter Tallman, of Vancouver, British Columbia hereby certify that:

- I am a graduate of the University of Western Ontario with a Bachelor of Science (Geology) degree (1984).
- I am a practicing Professional Geoscientist (#02366) with the Professional Engineers and Geoscientists of Newfoundland and Labrador (PEGNL) since May 1991.
- I have practiced my profession as a geologist in Canada, throughout the America's as well as Australia and Africa continuously since graduation.
- I have held the position of executive officer and/or director of various publically listed Canadian corporations since 1995.
- I currently hold the position of President and Chief Executive Officer with Klondike Gold Corp., a company listed publically on the TSXV Exchange.
- I own shares and have been granted options to purchase shares in Klondike Gold Corp.
- I directed work on the Gold Run Property during the period August 18 to 22, 2014 and am the designated Qualified Person as defined by National Instrument 43-101 policy.

Vancouver, British Columbia

A handwritten signature in black ink, appearing to read 'Peter Tallman', with a period at the end.

Peter Tallman, P.Geol.

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# APPENDIX I

## STATEMENT OF EXPENDITURES

Appendix I - Statement of Expenditures

**Gold Run Assesment Costs**

Rock sampling and pitting by hand following up 2013 results  
 Prospecting Placer Cuts in GR creek  
 Gold Run Creek prospecting traverses

Name	work type		days	Rate	Total	
Geologist	Prospecting/Sampling	Property wide	5	475	\$ 2,375.00	Aug 18-22, 2014
Prospector	Prospecting/Sampling	Property wide	5	475	\$ 2,375.00	Aug 18-22, 2014
Geologist	Prospecting/Sampling	Property wide	3	475	\$ 1,425.00	Aug 20-22, 2014

Food/Lodging/Supplies YMEP Rate Per Diem

Geologist	YMEP rate per diem		5	100	\$ 500.00
Prospector	YMEP rate per diem		5	100	\$ 500.00
Geologist	YMEP rate per diem		3	100	\$ 300.00

Samples		number	cost per	
Rock	Fire Assay	37	32.05	\$ 1,185.85

Truck		8	100	\$ 800.00
Fuel		8	50	\$ 400.00

Sub Total \$ 9,860.85

GIS Estimate at 5% \$ 493.04

Reporting Estimate @ 10% \$ 986.09

**Total \$ 10,353.89**

## APPENDIX II

### DETAILED CLAIMS LIST



Appendix II - Detailed Claims list

District	GrantNumber	ClaimName	ClaimNbr	Claim Owner	OperationRecordingDate	StakingDate	ClaimExpiryDate	Status	NTS MapNumber	NonStdSize	Ops Number	Claim Years	NewExpiryDate
Dawson	YC44708	Aime	2	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164511	1	08-02-16
Dawson	YC44709	Aime	3	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164512	1	08-02-16
Dawson	YC44710	Aime	4	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164513	1	08-02-16
Dawson	YC44711	Aime	5	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164514	1	08-02-16
Dawson	YC44712	Aime	6	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164515	1	08-02-16
Dawson	YC44713	Aime	7	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164516	1	08-02-16
Dawson	YC44714	Aime	8	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164517	1	08-02-16
Dawson	YC44715	Aime	9	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164518	1	08-02-16
Dawson	YC44716	Aime	10	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164519	1	08-02-16
Dawson	YC44717	Aime	11	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164520	1	08-02-16
Dawson	YC44718	Aime	12	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164521	1	08-02-16
Dawson	YC44719	Aime	13	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164522	1	08-02-16
Dawson	YC44720	Aime	14	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164523	1	08-02-16
Dawson	YC44721	Aime	15	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164524	1	08-02-16
Dawson	YC44722	Aime	16	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164525	1	08-02-16
Dawson	YC44723	Aime	17	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164526	1	08-02-16
Dawson	YC44724	Aime	18	Klondike Star Mineral Corporation - 100%	11-08-06	09-08-06	08-02-15	Active	115010		164527	1	08-02-16
Dawson	YC44725	Aime	19	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164528	1	08-02-16
Dawson	YC44726	Aime	20	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164529	1	08-02-16
Dawson	YC44727	Aime	21	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164530	1	08-02-16
Dawson	YC44728	Aime	22	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164531	1	08-02-16
Dawson	YC44729	Aime	23	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164532	1	08-02-16
Dawson	YC44730	Aime	24	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164533	1	08-02-16
Dawson	YC44731	Aime	25	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164534	1	08-02-16
Dawson	YC44732	Aime	26	Klondike Star Mineral Corporation - 100%	11-08-06	10-08-06	08-02-15	Active	115010		164535	1	08-02-16

## APPENDIX III

### ROCK SAMPLE METADATA

## Appendix III - Rock Sample Metadata

Sample ID	Property	Easting	Northing	Altitude (m)	Sample Description	Sample Type	Date (dd/mm/yr)	Sampler	Visible Gold	Rock Type
1961675	Gold Run	615156	7067492	600 m	QV in placer cut, likely S3 QV with interstitial host rock and very strong fe carb, Qtz crystal growth, bladed calcite. Lithology in cut is 20 to 40 m bands of fe carb laminated QMS +/-fsp and Mafic chl schist (maf volc). Trending 205/ near vertical. Pic 1020691 lookin SE on Placer cut, Pic 692 looking W on GR Creek	OC Grab	18-08-14	IM		Qtz
1961676	Gold Run	614833	7067649	589 m	QV parallel to Foliation, S3 but with str fe carb and possible shearing (weathered), tr py. Tracable for 20 m.	OC Grab	18-08-14	IM		Qtz
1961677	Gold Run	614730	7067732	591 m	QV, 2-5 cm wide minor cross cutting QV at 040-220/90. Empty vugs are cubic to 2 cm, tr py.	OC Grab	18-08-14	IM		Qtz
1961678	Gold Run	614666	7067780	591 m	QV, discordant, running N-S/ near vetical, looks dry and white on surface but contains discrete blebs of anhedral py up to 2 cm, 15 to 45 cm wide, 20 m long.	OC Grab	18-08-14	IM		Qtz
1961679	Gold Run	614847	7067346	609 m	Qtz float with tr py, marshy area poorly exposed by placer working.	FL GRAB	19-08-14	IM		Qtz
1961680	Gold Run	614802	7067306	621 m	Qtz cobble, 2 % py to 2cm, local colluvial float in placer access track	FL GRAB	19-08-14	IM		Qtz
1961681	Gold Run	614611	7067092	641 m	Qtz boulder, local float in colluvium next to trib, tr py (weathered)	FL GRAB	19-08-14	IM		Qtz
1961682	Gold Run	614218	7066423	723 m	Qtz float from high in trib, local, tr py, vugs empty or fe carb to 2 cm, Alder cover terrible area, likely no one has ever sampled here in recent times	FL GRAB	19-08-14	IM		Qtz
1961683	Gold Run	614273	7066407	714 m	Qtz clasts in 5 m section of upper trib, any result above detection would warrant further investigation up stream/slope.	FL GRAB	19-08-14	IM		Qtz
1961684	Gold Run	614701	7066723	703 m	Qtz float from soil pit at sam location of prev soil that ran 498.3 ppb, angulat clast (float 100m) white to smoky and glassy qtz, tr weathered py.	FL GRAB	19-08-14	IM		Qtz
1961685	Gold Run	614813	7067364		Qtz cobble on placer access road, tr py, fe carb	FL GRAB	19-08-14	IM		Qtz
1961686	Gold Run	613395	7069452	744 m	QV float, VG!, from high soil pit (257.7ppb). QV fragment is 5cm and has tr gal to 0.5 cm, tr to 0.5 % rem py, tr fresh py, 1 margin mineralised to .5 cm with remnant py and fe carb. Soil Pit log: organics to 15 cm, Silty brown B/upper C to 45 cm(QV with au found at 40cm), rocky silty C grading into orange with more fe carb (subcrop) to EOH at 80 cm. Higher Au numbers down slope but no vein material seen (likely this is close to source and the QV frags are still somewhat intact, lower down more gold is released to soil with complete weathering of the QV).	FL GRAB	20-08-14	IM	Y	Qtz
1961687	Gold Run	613546	7069454	724 m	Qtz clast from soil pit bull to vitreous, tr py may be same as prev VG sample but not certain. Soil Pit profile: 5-10 cm organics, 10-30 cm is rocky B/C transition, C is mix of clasts of orange brown (fe carb schist) and chl schist (mafic) from 30 to 80 cm.	FL GRAB	20-08-14	IM		Qtz
1961688	Gold Run	613546	7069454	724 m	Qtz clast from soil pit likely s3 qtz but remnant py to 8% (cubic limonite), tr fresh py, 8% fe carb . Soil Pit profile: 5-10 cm organics, 10-30 cm is rocky B/C transition, C is mix of clasts of orange brown (fe carb schist) and chl schist (mafic) from 30 to 80 cm.	FL GRAB	20-08-14	IM		Qtz
1961689	Gold Run	613596	7069411	710 m	Qtz from top 20 cm of pit, cg, crystal growth, fe carb, rusty py to 5 %. Pit to 1.5 m bu no significant qtz at SC	FL GRAB	20-08-14	IM		Qtz
1961690	Gold Run	613387	7069449	744 m	Target QV frags at 60 cm in hole, 8 cm wide, pyritic and fe carb margin, py to 1 % inc rusty py, filled openings with fe carb and py parallel to vein.	FL GRAB	20-08-14	IM		Qtz
1961691	Gold Run	613385	7069451	744 m	QV 2 cm in soil pit float. Mineralised host rock on one side of the Vn (like VG sample) 1 cm rusty py bleb.	FL GRAB	20-08-14	IM		Qtz
1961692	Gold Run	613357	7069456	748 m	QV/pod float in soil pit, looks similar to sample 196193 with VG. White qtz, 2-5 cm, with 0.5 cm margin of fe carb and py (weathered with tr fresh py). 1.3 m deep.	FL GRAB	21-08-14	IM		Qtz
1961693	Gold Run	613376	7069458	748 m	QV with VG. White QV with fe carb and remnant py to 1 cm on margin, vuggy, visible gold is on margin of py/fe carb filled vug and qtz. Soil pit was large 1.2x2x1.1 m deep: organics to 10 cm, 10-20 cm B horizon, 20-40 cm lower B, 40-50 cm Rocky C (sample with VG from 45 cm), 50-60 cm black layer (organics, silt, clay), 60 cm to 1.1m rocky C into subcrop.	FL GRAB	21-08-14	IM	Y	Qtz
1961694	Gold Run	613376	7069458	747 m	See previous but no vg.	FL GRAB	21-08-14	IM		Qtz
1961695	Gold Run	613363	7069481	751 m	Qtz. S2/S3 veins and sweat. Sampled as it was the only material available. Soil pit was very rocky with no good QV similar to VG samples.	FL GRAB	21-08-14	IM		Qtz
1961696	Gold Run	617034	7068383	648 m	QV or Peg w/ epidote(?), py to 1%, and tr hem. From burned slope above trib. Trib is completely swamp (no samples)	FL GRAB	22-08-14	IM		Qtz
1961697	Gold Run	617053	7068565	658 m	Qtz cobble and boulder (likely S3, but qtz is quite pervasive on burned slope). Best material found with tr hem, tr py, and fe stain.	FL GRAB	22-08-14	IM		Qtz
1961698	Gold Run	616906	7068685	694 m	Qtz cobble and boulder to 50 cm(likely S3, but qtz is quite pervasive on burned slope). Best material found with tr py along margin, minor MnO stain and wk fe carb.	FL GRAB	22-08-14	IM		Qtz
1961921	Gold Run	615153	7067494	597 m	QTZ VEIN 205 NEAR VERTICAL TR PY		18-08-14	WK		Qtz
1961922	Gold Run	615156	7067534	613 m	QTZ VEIN 220 TR PY FE CORB		18-08-14	WK		Qtz
1961923	Gold Run	615161	7067527	616 m	QTZ BLOW OUT OC TR PY	OC Grab	18-08-14	WK		Qtz
1961924	Gold Run	614799	7067671	590 m	QTZ VEIN TR PY		18-08-14	WK		Qtz

Appendix III - Rock Sample Metadata

Sample ID	Property	Easting	Northing	Altitude (m)	Sample Description	Sample Type	Date (dd/mm/yr)	Sampler	Visible Gold	Rock Type
1961925	Gold Run	614713	7067743	589 m	QTZ FELDSPAR BLOOBPB PY STEDNITE OC	OC Grab	18-08-14	WK		Qtz
1961926	Gold Run	614028	7069695	610 m	QTZ VEIN 330 TR PY		18-08-14	WK		Qtz
1961927	Gold Run	613988	7069759	613 m	QTZ VEIN 140 FE CARB MASSIVE PY OC	OC Grab	19-08-14	WK		Qtz
1961928	Gold Run	613985	7069760	614 m	QTZ VEIN 140 10CM MASSIVE PY FE CARB		19-08-14	WK		Qtz
1961929	Gold Run	613417	7067522	781 m	QTZ FL30 CM TR PY	FL GRAB	19-08-14	WK		Qtz
1961930	Gold Run	615486	7067868	643 m	OLD PIT 3CM QTZ FL TR PY	FL GRAB	22-08-14	WK		Qtz
1961931	Gold Run	615482	7067887	649 m	QTZ FL 50CM OLD WORKINGS TR PY FE CARB	FL GRAB	22-08-14	WK		Qtz
1961932	Gold Run	615482	7067896	648 m	QTZ FL5CM IN OLD WORKINS TR PY	FL GRAB	22-08-14	WK		Qtz
1961933	Gold Run	614640	7070054	675 m	QTZ FL 30CM TR PY	FL GRAB	22-08-14	WK		Qtz

## APPENDIX IV

### ROCK SAMPLE ANALYTICAL CERTIFICATES



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

Client: **Klondike Gold Corp.**  
715 - 675 West Hastings St.  
Vancouver BC V6B 1N2 CANADA

Submitted By: Email Distribution List  
Receiving Lab: Canada-Whitehorse  
Received: October 03, 2014  
Report Date: October 29, 2014  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI14000239.1

### CLIENT JOB INFORMATION

Project: LS  
Shipment ID: LS003  
P.O. Number  
Number of Samples: 37

### SAMPLE DISPOSAL

RTRN-PLP Return  
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Klondike Gold Corp.  
715 - 675 West Hastings St.  
Vancouver BC V6B 1N2  
CANADA

CC: Melinda Coghill

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	37	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	37	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ201	37	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
FA530	6	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme 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.

# CERTIFICATE OF ANALYSIS

WHI14000239.1

Method	WGHT	FA430	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	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	0.1	
1961921	Rock	0.51	0.086	0.2	28.3	8.4	4	0.3	5.9	9.0	90	0.86	11.9	<0.1	122.8	<0.1	5	<0.1	<0.1	<0.1	3
1961922	Rock	1.42	0.007	0.3	2.8	2.0	5	<0.1	3.7	0.9	209	0.56	4.7	<0.1	7.7	0.3	2	<0.1	<0.1	<0.1	<2
1961923	Rock	1.06	0.023	0.6	2.5	1.1	8	<0.1	9.8	3.6	476	0.76	4.6	0.1	13.0	<0.1	2	<0.1	<0.1	<0.1	<2
1961924	Rock	0.50	<0.005	0.1	8.0	0.7	3	0.1	0.8	0.9	44	0.50	1.4	0.1	2.8	0.4	1	<0.1	<0.1	<0.1	<2
1961925	Rock	0.81	0.007	<0.1	11.1	5.9	115	<0.1	1.0	1.4	2756	5.03	1.0	<0.1	0.9	0.2	292	2.5	<0.1	<0.1	2
1961926	Rock	0.53	<0.005	1.4	9.2	1.1	9	<0.1	3.9	5.3	148	0.94	0.7	<0.1	2.2	<0.1	6	<0.1	<0.1	<0.1	8
1961927	Rock	1.34	>10	0.1	24.5	131.3	231	5.5	61.7	33.7	133	8.54	723.6	0.1	50460.5	<0.1	27	3.2	0.3	1.5	3
1961928	Rock	0.86	>10	0.2	21.2	103.1	214	3.6	40.8	21.0	212	7.89	702.6	0.1	17329.3	<0.1	43	2.8	0.5	0.7	3
1961929	Rock	0.67	0.030	0.5	32.1	3.6	8	0.5	7.9	3.1	502	0.84	4.4	0.2	27.0	0.2	<1	0.2	0.2	<0.1	<2
1961930	Rock	0.75	5.146	0.5	7.2	4.1	18	1.0	2.1	7.2	515	2.22	15.7	0.4	5627.6	0.6	15	0.1	<0.1	0.2	10
1961931	Rock	0.66	0.122	0.3	1.4	0.9	6	<0.1	1.5	2.6	238	1.42	1.7	0.2	211.0	<0.1	5	<0.1	<0.1	<0.1	9
1961932	Rock	0.69	0.076	0.2	2.6	0.9	9	<0.1	2.6	6.3	288	2.00	3.6	0.2	11.4	<0.1	7	<0.1	<0.1	<0.1	14
1961933	Rock	1.00	0.020	0.2	8.5	202.6	26	0.9	1.8	1.0	122	0.93	1.8	0.8	15.6	10.0	12	0.1	0.2	1.8	<2
1961675	Rock	0.64	0.021	1.0	1.7	4.6	25	<0.1	11.4	8.9	2180	2.62	6.7	0.5	44.8	2.5	105	0.4	<0.1	0.2	16
1961676	Rock	0.81	0.008	0.2	8.1	1.1	5	0.1	1.0	1.0	47	0.60	1.1	0.4	<0.5	1.6	3	<0.1	<0.1	0.1	2
1961677	Rock	0.62	>10	0.2	2.1	1.7	6	1.9	0.9	0.4	61	0.58	0.6	<0.1	18087.6	0.3	3	<0.1	<0.1	<0.1	<2
1961678	Rock	0.63	0.010	0.2	139.9	0.6	3	0.2	1.6	5.8	59	0.83	<0.5	<0.1	0.8	0.1	1	<0.1	<0.1	<0.1	<2
1961679	Rock	0.46	<0.005	0.2	5.1	1.1	4	<0.1	1.3	0.6	61	0.53	3.8	<0.1	<0.5	0.7	2	<0.1	<0.1	<0.1	<2
1961680	Rock	0.67	0.024	0.2	6.3	1.8	2	<0.1	3.8	5.8	69	1.13	8.3	0.3	24.2	1.2	3	<0.1	<0.1	<0.1	<2
1961681	Rock	0.41	<0.005	0.3	9.9	1.1	2	<0.1	5.3	1.4	76	0.62	4.7	<0.1	2.4	<0.1	<1	<0.1	<0.1	<0.1	<2
1961682	Rock	0.64	<0.005	0.3	2.9	1.1	6	<0.1	2.1	1.2	73	0.75	2.0	<0.1	5.7	0.2	<1	<0.1	<0.1	<0.1	4
1961683	Rock	0.89	0.006	0.3	8.7	2.6	24	<0.1	6.7	3.9	240	1.28	3.7	0.2	7.7	0.6	6	<0.1	<0.1	<0.1	11
1961684	Rock	0.51	<0.005	0.2	13.6	1.2	17	<0.1	2.6	2.8	453	1.09	0.9	<0.1	1.4	0.2	2	0.1	<0.1	<0.1	8
1961685	Rock	0.61	0.143	0.3	20.2	4.5	6	0.1	8.4	4.4	92	1.00	31.4	0.3	68.6	1.7	3	<0.1	<0.1	0.1	3
1961686	Rock	1.14	>10	0.7	4.9	167.0	35	2.3	4.1	3.6	700	1.54	45.9	0.2	11085.4	0.3	5	0.4	0.2	1.6	5
1961687	Rock	0.32	0.025	0.4	5.2	2.4	11	<0.1	2.2	1.8	333	0.85	3.5	0.1	14.4	0.2	2	<0.1	<0.1	<0.1	5
1961688	Rock	0.80	0.012	0.5	51.5	3.1	53	<0.1	6.3	7.5	2342	3.15	2.0	0.2	5.2	0.4	13	0.1	0.1	<0.1	33
1961689	Rock	0.55	3.037	0.9	6.0	2.2	13	0.4	3.9	3.3	512	1.56	14.0	0.1	2905.2	0.2	4	0.1	0.1	<0.1	5
1961690	Rock	1.19	>10	1.3	3.3	103.8	12	2.5	2.9	3.7	479	1.28	52.4	0.3	11240.7	0.3	4	0.3	<0.1	1.5	4
1961691	Rock	0.42	0.031	0.2	56.4	3.6	22	0.5	16.8	8.5	300	2.13	1.7	0.3	31.6	5.6	4	<0.1	0.2	1.0	40

# CERTIFICATE OF ANALYSIS

WHI14000239.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	FA530
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
MDL	0.01	0.001	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	0.9	
1961921	Rock	0.11	0.001	<1	3	0.04	8	<0.001	<1	0.05	0.004	<0.01	1.3	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
1961922	Rock	0.05	0.011	1	4	<0.01	53	<0.001	<1	0.04	0.005	0.02	0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
1961923	Rock	0.08	<0.001	<1	8	<0.01	52	<0.001	<1	0.04	0.007	0.02	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2	
1961924	Rock	0.03	0.012	1	2	<0.01	51	<0.001	<1	0.07	0.010	0.05	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
1961925	Rock	13.63	0.031	2	<1	4.61	36	<0.001	<1	0.08	0.031	<0.01	<0.1	<0.01	1.7	<0.1	0.53	<1	0.8	<0.2	
1961926	Rock	0.35	0.017	<1	5	0.27	6	0.009	<1	0.26	0.009	<0.01	<0.1	<0.01	0.5	<0.1	0.11	<1	<0.5	<0.2	
1961927	Rock	0.50	0.001	<1	4	0.14	7	<0.001	<1	0.09	0.002	0.06	<0.1	0.11	0.6	<0.1	8.38	<1	2.7	0.7	23.6
1961928	Rock	0.87	<0.001	<1	4	0.20	5	<0.001	2	0.09	0.002	0.06	<0.1	0.08	0.8	0.1	7.68	<1	3.0	0.4	24.8
1961929	Rock	0.01	0.004	3	3	0.02	55	<0.001	<1	0.07	0.002	0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
1961930	Rock	3.20	0.034	3	2	0.06	81	<0.001	2	0.22	0.020	0.13	0.2	<0.01	3.4	<0.1	<0.05	<1	<0.5	<0.2	
1961931	Rock	1.41	0.018	<1	3	0.06	29	<0.001	1	0.14	0.006	0.05	0.2	<0.01	1.8	<0.1	<0.05	<1	<0.5	<0.2	
1961932	Rock	1.81	0.016	<1	3	0.15	35	<0.001	1	0.33	0.006	0.07	0.2	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2	
1961933	Rock	0.02	0.006	19	2	<0.01	831	<0.001	1	0.13	0.076	0.05	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5	<0.2	
1961675	Rock	5.34	0.100	8	7	0.20	218	<0.001	2	0.47	0.088	0.08	5.1	<0.01	6.8	<0.1	<0.05	1	<0.5	<0.2	
1961676	Rock	0.08	0.028	5	2	0.04	42	0.001	<1	0.18	0.057	0.05	0.2	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2	
1961677	Rock	0.06	0.002	<1	3	0.05	23	<0.001	<1	0.07	0.009	0.01	0.5	0.03	0.3	<0.1	<0.05	<1	<0.5	<0.2	15.1
1961678	Rock	0.02	<0.001	<1	3	<0.01	14	<0.001	<1	0.02	0.003	<0.01	0.4	<0.01	0.1	<0.1	0.45	<1	0.8	<0.2	
1961679	Rock	0.06	0.025	2	2	0.02	64	0.001	<1	0.13	0.010	0.08	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	
1961680	Rock	0.04	0.014	3	3	0.01	50	0.002	<1	0.11	0.017	0.06	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	
1961681	Rock	<0.01	<0.001	<1	3	<0.01	16	<0.001	<1	0.02	<0.001	<0.01	0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
1961682	Rock	0.02	0.007	<1	4	0.07	20	0.001	<1	0.13	0.011	0.02	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	
1961683	Rock	0.14	0.022	2	8	0.33	55	0.029	1	0.49	0.026	0.04	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2	
1961684	Rock	0.06	0.017	1	3	0.16	53	0.003	<1	0.26	0.010	0.02	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2	
1961685	Rock	0.09	0.048	9	4	0.01	71	0.001	1	0.19	0.029	0.09	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
1961686	Rock	0.42	0.007	2	5	0.04	99	<0.001	1	0.14	0.010	0.06	<0.1	0.04	2.0	<0.1	<0.05	<1	<0.5	0.4	16.3
1961687	Rock	0.04	0.010	<1	4	0.04	42	0.004	1	0.12	0.008	0.02	0.2	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2	
1961688	Rock	1.67	0.047	3	7	0.81	143	0.006	<1	1.24	0.053	0.08	<0.1	<0.01	4.3	<0.1	<0.05	3	<0.5	<0.2	
1961689	Rock	0.09	0.009	1	5	0.02	60	0.001	2	0.11	0.016	0.02	0.1	<0.01	2.1	<0.1	<0.05	<1	<0.5	<0.2	
1961690	Rock	0.42	0.008	1	5	0.03	102	<0.001	2	0.15	0.008	0.07	0.1	<0.01	1.5	<0.1	<0.05	<1	<0.5	0.4	12.6
1961691	Rock	0.13	0.029	17	18	0.81	23	0.005	<1	1.22	0.176	0.02	<0.1	<0.01	6.9	<0.1	<0.05	4	<0.5	<0.2	



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**Client:** Klondike Gold Corp.  
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Vancouver BC V6B 1N2 CANADA

**Project:** LS  
**Report Date:** October 29, 2014

**Page:** 3 of 3

**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI14000239.1

Method	WGHT	FA430	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	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	0.1	
1961692	Rock	0.52	5.005	2.5	23.2	3.2	26	0.3	23.6	8.3	1723	3.42	5.1	0.7	2062.2	0.5	6	0.3	0.6	0.5	12
1961693	Rock	0.34	>10	0.7	21.7	2.2	33	2.9	11.4	5.6	1080	2.04	14.0	0.3	28210.9	0.2	6	0.8	0.2	<0.1	9
1961694	Rock	0.37	0.111	1.0	13.8	3.6	54	<0.1	28.8	9.7	951	3.34	4.6	0.4	102.4	0.5	7	0.2	0.2	<0.1	17
1961695	Rock	0.45	<0.005	0.3	6.9	3.1	14	<0.1	6.0	2.9	329	0.97	1.0	0.1	2.4	0.3	5	<0.1	0.1	<0.1	8
1961696	Rock	0.72	<0.005	0.2	12.9	7.9	7	<0.1	0.8	1.6	182	0.96	0.7	0.1	30.5	0.3	58	<0.1	<0.1	<0.1	5
1961697	Rock	0.63	<0.005	0.2	4.2	3.0	4	<0.1	1.7	0.6	71	0.56	0.6	<0.1	0.5	<0.1	4	<0.1	<0.1	<0.1	3
1961698	Rock	0.88	<0.005	0.4	3.8	2.7	11	<0.1	5.6	1.9	140	0.86	0.8	<0.1	1.4	<0.1	5	<0.1	<0.1	<0.1	5

# CERTIFICATE OF ANALYSIS

WHI14000239.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	FA530	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
MDL	0.01	0.001	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	0.9	
1961692	Rock	0.07	0.011	4	16	0.16	181	0.003	2	0.27	0.011	0.05	0.1	<0.01	7.0	<0.1	<0.05	<1	<0.5	<0.2	
1961693	Rock	0.08	0.017	2	10	0.11	123	0.002	<1	0.19	0.008	0.03	0.1	0.01	5.2	<0.1	<0.05	<1	<0.5	<0.2	26.4
1961694	Rock	0.13	0.019	2	8	0.19	133	0.001	2	0.36	0.041	0.09	0.1	<0.01	4.3	<0.1	<0.05	<1	<0.5	<0.2	
1961695	Rock	0.11	0.028	1	6	0.18	54	0.011	<1	0.30	0.029	0.02	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2	
1961696	Rock	0.36	0.021	1	2	0.08	31	0.028	1	0.41	0.048	0.06	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2	
1961697	Rock	0.04	0.011	<1	3	0.03	22	0.002	<1	0.07	0.002	0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	
1961698	Rock	0.09	0.043	<1	4	0.14	16	0.005	<1	0.18	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	

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Method	WGHT	FA430	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	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	0.1	
Pulp Duplicates																					
1961923	Rock	1.06	0.023	0.6	2.5	1.1	8	<0.1	9.8	3.6	476	0.76	4.6	0.1	13.0	<0.1	2	<0.1	<0.1	<0.1	<2
REP 1961923	QC			0.7	2.7	1.2	7	<0.1	9.8	3.7	473	0.75	4.5	0.2	18.7	0.1	3	<0.1	0.2	0.2	<2
1961677	Rock	0.62	>10	0.2	2.1	1.7	6	1.9	0.9	0.4	61	0.58	0.6	<0.1	18087.6	0.3	3	<0.1	<0.1	<0.1	<2
REP 1961677	QC																				
1961688	Rock	0.80	0.012	0.5	51.5	3.1	53	<0.1	6.3	7.5	2342	3.15	2.0	0.2	5.2	0.4	13	0.1	0.1	<0.1	33
REP 1961688	QC			0.6	51.6	3.0	51	<0.1	5.9	7.1	2319	3.14	2.1	0.2	2.3	0.4	13	<0.1	0.2	<0.1	32
1961698	Rock	0.88	<0.005	0.4	3.8	2.7	11	<0.1	5.6	1.9	140	0.86	0.8	<0.1	1.4	<0.1	5	<0.1	<0.1	<0.1	5
REP 1961698	QC			0.3	3.3	2.8	10	<0.1	5.3	1.9	137	0.84	0.8	<0.1	2.8	<0.1	5	<0.1	<0.1	<0.1	4
Core Reject Duplicates																					
1961691	Rock	0.42	0.031	0.2	56.4	3.6	22	0.5	16.8	8.5	300	2.13	1.7	0.3	31.6	5.6	4	<0.1	0.2	1.0	40
DUP 1961691	QC		0.034	0.2	53.6	3.0	23	0.5	17.1	8.6	263	2.04	1.6	0.3	30.6	5.9	4	<0.1	0.2	1.0	39
Reference Materials																					
STD AGPROOF	Standard																				
STD DS10	Standard			15.2	157.8	153.3	373	1.9	78.7	12.8	900	2.84	46.7	2.7	68.0	7.7	70	2.2	9.0	12.7	45
STD DS10	Standard			15.1	149.2	153.4	354	1.8	74.7	12.4	872	2.75	42.5	2.6	98.8	7.6	66	2.4	8.0	12.2	43
STD DS10	Standard			15.1	153.4	154.3	363	1.9	74.3	12.8	885	2.80	42.7	2.8	65.0	7.8	70	2.6	9.3	12.3	44
STD OXC109	Standard			1.5	34.6	11.0	40	<0.1	74.4	19.2	419	2.92	0.6	0.6	185.8	1.4	145	<0.1	<0.1	<0.1	49
STD OXC109	Standard			1.7	32.4	12.0	36	0.1	71.0	17.8	409	2.86	0.9	0.6	189.1	1.6	139	<0.1	<0.1	0.1	47
STD OXC109	Standard			1.6	35.2	11.0	40	<0.1	71.3	19.1	409	2.87	0.7	0.6	182.1	1.5	136	<0.1	<0.1	<0.1	47
STD OXD108	Standard		0.410																		
STD OXD108	Standard		0.406																		
STD OXI121	Standard		1.840																		
STD OXI121	Standard		1.820																		
STD OXN117	Standard		7.832																		
STD OXN117	Standard		7.784																		
STD SP49	Standard																				
STD SQ70	Standard																				
STD AGPROOF	Expected																				

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	FA530
		Ca	P	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	gm/t
MDL		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.9
Pulp Duplicates																				
1961923	Rock	0.08	<0.001	<1	8	<0.01	52	<0.001	<1	0.04	0.007	0.02	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
REP 1961923	QC	0.09	0.002	<1	10	0.01	50	<0.001	<1	0.05	0.007	0.02	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2
1961677	Rock	0.06	0.002	<1	3	0.05	23	<0.001	<1	0.07	0.009	0.01	0.5	0.03	0.3	<0.1	<0.05	<1	<0.5	<0.2
REP 1961677	QC																			15.1
1961688	Rock	1.67	0.047	3	7	0.81	143	0.006	<1	1.24	0.053	0.08	<0.1	<0.01	4.3	<0.1	<0.05	3	<0.5	<0.2
REP 1961688	QC	1.66	0.048	3	7	0.80	142	0.007	1	1.20	0.043	0.07	<0.1	<0.01	4.2	<0.1	<0.05	3	<0.5	<0.2
1961698	Rock	0.09	0.043	<1	4	0.14	16	0.005	<1	0.18	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
REP 1961698	QC	0.09	0.041	<1	4	0.14	15	0.005	<1	0.17	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
Core Reject Duplicates																				
1961691	Rock	0.13	0.029	17	18	0.81	23	0.005	<1	1.22	0.176	0.02	<0.1	<0.01	6.9	<0.1	<0.05	4	<0.5	<0.2
DUP 1961691	QC	0.12	0.030	17	18	0.79	18	0.005	<1	1.17	0.163	0.01	0.1	<0.01	6.9	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																				
STD AGPROOF	Standard																			<0.9
STD DS10	Standard	1.11	0.072	19	54	0.80	345	0.087	8	1.13	0.075	0.36	3.2	0.32	3.0	5.0	0.29	5	1.9	5.2
STD DS10	Standard	1.07	0.071	18	54	0.78	327	0.080	5	1.08	0.069	0.34	2.9	0.28	2.9	4.7	0.28	4	2.2	4.8
STD DS10	Standard	1.05	0.072	18	57	0.78	357	0.080	5	1.08	0.071	0.33	3.0	0.28	3.2	4.9	0.26	4	2.3	5.0
STD OXC109	Standard	0.76	0.106	12	57	1.48	55	0.392	2	1.59	0.707	0.42	0.2	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	0.70	0.102	12	55	1.43	55	0.356	<1	1.55	0.681	0.42	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	0.63	0.100	12	57	1.44	52	0.378	<1	1.51	0.691	0.42	0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXI121	Standard																			
STD OXI121	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD SP49	Standard																			18.1
STD SQ70	Standard																			39.2
STD AGPROOF Expected																				0

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	WGHT	FA430	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	0.01	0.005	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
STD SP49 Expected																				
STD SQ70 Expected																				
STD OXD108 Expected		0.414																		
STD OXN117 Expected		7.679																		
STD OXI121 Expected		1.834																		
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43
STD OXC109 Expected														201						
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
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
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
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
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
Prep Wash																				
G1-WHI	Prep Blank	<0.005	0.5	4.5	6.9	35	<0.1	1.1	3.4	507	1.87	0.7	0.4	<0.5	2.2	28	<0.1	<0.1	<0.1	22
G1-WHI	Prep Blank	<0.005	0.6	4.9	4.2	473	<0.1	0.7	3.6	474	1.75	0.6	0.3	<0.5	2.1	27	2.7	<0.1	<0.1	23

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		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	FA530
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.9	
STD SP49 Expected																					18.34
STD SQ70 Expected																					39.62
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD DS10 Expected		1.0625	0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OXC109 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				<0.9
BLK	Blank	<0.01	<0.001	<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																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<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	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																					
G1-WHI	Prep Blank	0.55	0.041	6	3	0.44	78	0.079	2	1.07	0.158	0.14	0.1	<0.01	5.2	<0.1	<0.05	4	<0.5	<0.2	
G1-WHI	Prep Blank	0.56	0.039	6	2	0.42	70	0.075	<1	1.02	0.138	0.12	<0.1	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2	