

# **2015 Assessment Report**

## **Geological Mapping and Geochemical Sampling of the Judas Creek Claims**

NTS Map Sheets: 105D-08 and 105D-09

UTM Coordinates (approximate property centre)

**Judas Creek:** Easting – 554000/Northing – 6698000

Claims: Judas 1-30  
Judas 1-6, YF 45644-45649  
Judas 7-30, YF 45697-45720

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## Introduction

The potential of listwaenite sequences to host lode-style gold mineralization was evaluated in this study funded through the Yukon Mineral Incentive Program. This program was a follow up to geochemical sampling and prospecting conducted in 2012. The areas studied in detail and documented for assessment purposes in this report includes exploration efforts that have initially focused on the western and central claims within the property area.

The field studies were completed during the period June-October, 2015 and were comprised of conventional exploration techniques including soil and till geochemical sampling and a VLF-EM survey to compliment existing regional aeromagnetic surveys previously conducted by the Yukon Geological Survey.

In addition, the author previously completed a comprehensive compilation of studies on listwaenitic sequences throughout the North American Cordillera that also include discussions on lode style gold deposits and in particular the proximal Atlin Gold Camp. These studies were used to provide guidance for current and proposed future exploration efforts on the Judas Creek property, focusing on methodologies to identify possible precious metal mineralizing systems of mesothermal gold deposits.

This report provides a summary of exploration work completed on the Judas claims during the 2015 exploration season. The author is a Director/President and the Principal Geologist of 39627 Yukon Inc. (hereinafter referred to as "39627 Yukon") who conducted all of the exploration work supported in part by the Targeted Evaluation component of the Yukon Mineral Exploration Program (YMEP). On all field activities he was accompanied by field assistant, Ms. Jocelyn Costello.

## Location and Access

Access to all of the study areas is good as there is a network of forestry access roads that provide access to the westernmost grid and from that location 39627 Yukon constructed ATV-passable exploration trails to the central portion of the property. These forestry roads are connected to the Alaska Highway at a turnoff approximately 75 km south of the City of Whitehorse, in Yukon. A location map of the study areas is attached (see Maps 1 and 2). The Judas 1-30 claims are located approximately 6km east-northeast of the Alaska Highway.

## Physiography

The study areas lie on the east side of the Whitehorse Trough, a northwesterly trending depression extending from Marsh Lake through Whitehorse and thence northwards to Lake Laberge. Elevations average 700 meters (2,500 feet).

The Judas Creek Property comprises of an alcove within a broad valley that is incised by Judas Creek and localized small tributaries. Thick glacial sands and gravel deposits cover most of the area with an estimated less than 1% of the property comprising of outcrop exposures. To date no outcrop exposures have been found on the property. A large majority of the area is characterized with occasional glacial erratics exposed in the areas of small streams or on the edges of steep slopes (less than 50 meters in overall height and comprising of glacial gravels) in valley bottoms.

## Climate

The southwestern Yukon has a dry subarctic climate with average summer temperatures of 15 degrees Celsius and winter minimum of -45 degrees Celsius. As the Judas Creek property is located in lower elevations in the region, it provides an opportunity for slightly better climatic conditions as compared to most of the Yukon. This enables work to begin a couple of weeks earlier and a few weeks later in the spring and fall, respectively. Snow cover is generally in place from late October to mid-April. The climate tends to be dry (precipitation range 200-325 mm per annum) and cool.

## Vegetation

Vegetation of the Yukon Southern Lakes Ecoregion is dominantly open coniferous and mixed woodland, reflecting the rain shadow climate of the area and the pattern of forest fires. Medium shrubs dominate the higher elevation slopes, while mountain summits are usual dry dwarf shrub.

Pine is the dominant tree species, because it quickly regenerates in burned areas. Black spruce has limited distribution in this ecoregion. On dry upland sites, the understory vegetation is dominated by a mixture of ground shrubs including twinflower, kinnikinnick, lingonberry and lichen, with abundant litter. Mixed aspen and white spruce are common on fine soils with a variable cover of ground shrubs, lichen and litter. Aspen is also found on steep south-facing slopes, often with small pockets of spruce occupying the moister sites. Balsam poplar is found on roadsides and along creeks and rivers.

Open areas at lower elevations include grasslands on steep south-facing slopes and alkaline lacustrine depressions.

## Ecoregion

The Yukon Southern Lakes, Boreal Cordillera Ecozone, Ecoregion 177 is characterized by broad valleys and large lakes set within the rain shadow of the St. Elias Mountains (Smith, C.A.S. et. Al, 2004). This ecoregion lies in the sporadic discontinuous permafrost zone, where permafrost

underlies less than one quarter of the landscape. Soils tend to be alkaline and wetlands (mainly fens) are dominated by marl formation. The ecoregion supports the highest mammalian diversity in the Yukon, with at least 50 of the 60 species known to occur in Yukon at present.

## Property and Claims Information

39627 Yukon Inc. previously staked 30 claims (Judas 1-30) in the region. No further staking has been conducted.

The claims are as follows:

Claims: Judas 1-30

Claim No.	Grant	Expiry Date
Judas 1-6	YF 45644-45649	2016-10-22
Judas 7-30	YF 45697-45720	2017-03-01

All claims are in good standing. A claim is approximately 1500 square feet (139.35 hectares) in size. The property area is therefore 4180.5 hectares.

## Exploration History

Geological mapping at a scale of 1:250,000 for the Teslin 105C sheet was completed by the Geological Survey of Canada (Mulligan, 1963, Gordey and Stevens, 1994) and the Whitehorse 105D sheet (Wheeler, 1961). A geological atlas of the NTS 105/115 sheets was later compiled at a 1:1,000,000 scale (H. Gabrielse et al, 1980). Hunt et al., (1995) completed the most recent work that included a geological interpretation of an airborne geophysical survey. This work inferred the presence of thrust faults and associated ultramafic rocks of ophiolitic origin, within Permian- to Triassic-aged volcanic and sedimentary rocks of the Cache Creek Terrane.

Reconnaissance-level stream silt sampling was conducted by the Geological Survey of Canada on NTS map sheets 105C and 105D (Friske et. al., 1985). Results in the area by other exploration companies have demonstrated anomalous values of gold, silver and copper in soils and in localized shear zones that relate to ophiolitic thrust sequences.

Exploration interest in the region then spurred governments to complete a high-quality airborne geophysical (DIGHEM) survey over Cache Creek Group rocks in the Judas Creek Corner area which included coverage over Judas Creek. The survey comprised of approximately 2764 line kilometers, at a line spacing of 200 meters covering approximately 500 square kilometers. This survey identified more than 500 bedrock conductors (Smith, 1994; Power, 1995).

Based on the listwaenite gold model and related publications on that topic including Ash et al., (1991) and Ash (2001) the presence of aeromagnetic anomalies such as the one that is covered by the Judas claims, is a potential target area for gold mineralization. The Judas claims are staked over an aeromagnetic low anomaly that is thought to exhibit possible magnetic destruction processes contiguous with the boundary areas between continental edge sediments and ophiolitic thrust sequences oceanic slices.

In 2013, Luke Bickerton wrote a Masters Thesis on the record of Middle Triassic arc activity and Jurassic-Cretaceous terrane imbrication within the northern Cache terrane. His work included mapping of the study area and the surrounding region.

Other exploration properties immediately west and southwest of the Judas claims have been previously explored by various companies/prospectors since the early 1980's with mixed results. The Judas claims were staked by 39627 Yukon to cover the boundary of an airborne magnetic low anomaly with a high magnetic anomaly.

## Regional Geology

The study areas lie south of a northwest trending contact between Lower and Middle Jurassic clastics to the west of Marsh Lake and are fault bounded to the west by Mississippian to Upper Triassic Cache Creek oceanic volcanic and sediments and to the east by Upper Triassic Lewes River inter-arc clastics believed to be part of the Cache Creek Terrain (Wheeler, 1987).

The Laberge Group consists of greywacke, arkose, quartzite, conglomerate, siltstone, argillite and hornfels. The Tuku Group consists mainly of volcanic tholeiitic to alkaline basalts.

The Cache Creek terrane is a fault-bounded accretionary complex which lies between Stikinia to the west and Quesnelia to the east. This terrane includes a mixture of Mississippian to Jurassic lithologies in variable proportions. The terrane extends from the Marsh Lake area of southern Yukon to the Cache Creek area of southern British Columbia, along strike of the Cordilleran orogeny.

The Cache Creek terrane is primarily a fore-arc accretionary complex composed of pelagic sedimentary rocks, pieces of oceanic crust including ultramafic rocks (primarily hartzburgite, dunite, peridotite and pyroxentite), gabbro basalt, ribbon banded chert, and massive limestone caps, pieces of arc crust, as well as forearc sedimentary rocks such as greywacke, siltstone and slate (Mihalynuk, 1999; Monger, 1975; Gabrielese, 1991; Struik et al, 2001).

These units are formally categorized into five main lithologies which crop out with limited exposure: (i) metavolcanic rocks; (ii) volcanioclastic and clastic rocks informally defined as the Michie formation (Bickerton et al, 2013); (iii) hemipelagic chert and shale; (iv) tectonized and serpentinized ultramafic rocks; and (v) pyroxenite and gabbro intrusives (see Figure 5??).

Of significance to the geology in the region, and believed to be present within the property, is the occurrence of oceanic ultramafic units of dunites, harzburgites and pyroxenites, with an age range that is loosely constrained to be early Triassic in southern Yukon (Gordey et al, 1998) that occur within the Cache Creek Terrane rocks. These have been well documented in the Atlin Gold camp of Northwestern British Columbia (Bloodgood et. al, 1989; Ash, 2000) and are also known to host California mother lode and Atlin style gold deposits. This was a primary motivator for the selection of the Judas claims. Ultramafic bodies associated with these types of mesothermal gold deposits are known within the region to range from linear bodies many tens of kilometers long, to pods and slivers a few meters in length and it has been suggested that these bodies represent oceanic basement (Ash, 2000). Many of the gold bearing veins in the Atlin camp are related to these ultramafic rocks.

As previously mentioned, Luke Bickerton (Bickerton et al, 2013) completed a thesis on the region around Marsh Lake where he focused primarily on the possible evolution of the northern termination of the Cache Creek terrane in south-central Yukon which encompasses the Judas Creek property. Bickerton concluded that the rocks of the northern Cache Creek Terrane are of an arc affinity. From mapping, structural analysis, whole rock geochemistry and U-Pb geochronology, he also noted that the introduction of arc crust into the Stikinia-Quesnelia subduction zone could have led to early Mesozoic slowing of subduction, contributing to oroclinal bending and entrapment of the Cache Creek Terrane. The rocks of the northernmost termination of the Cache Creek terrane in the Marsh Lake area, north of the Crag Lake fault, are geochemically similar to those of the volcanic arc rocks in northern British Columbia (Bickerton, 2013).

## Structural Geology

Due to the lack of continuous outcrop, structural features in the map area have been inferred through cleavage-bedding relationships and changes in foliation intensity at isolated outcrops (Bickerton, 2013). The structural style of the Marsh Lake area is dominated by variable scale folding and foliation spacing from separate deformational events (Bickerton et al., 2013). The first deformational event (D1) is represented by thrusting of the Cache Creek terrane rocks onto those rocks of the Whitehorse Trough and Stikinia (Judas Mountain thrust). The second deformational event (D2) included reshuffling of the aforementioned units, thrusting Whitehorse trough rocks above those of the Cache Creek terrane (Mount Michie thrust). A penetrative foliation occurs throughout the volcanic rocks of the Cache Creek terrane but it is

difficult to discern orientation except where it is more pervasive closer to fault contacts. Hydrothermal brecciation of these units also occurs proximal to major fault contacts.

Two major thrust faults have been identified in the Marsh Lake area: (i) The Judas Mountain thrust, a folded thrust fault striking north-northwest, which placed rocks of the Cache Creek terrane above sedimentary strata of the Whitehorse trough (D1); and the Mount Michie thrust, a south-southeast striking, steeply west-dipping reverse fault which brings rocks of the Whitehorse trough (Laberge Group) and underlying Lewes River Group (Casca member) above the Michie Formation and Cache Creek volcanic rocks (D2). Just north of Jakes Corner, proximal to the property area, Gordey and Stevens (1994) mapped a number of northeast-striking normal faults that delineate the contact between Stikinia and Whitehorse Trough rocks to the north and Cache Creek rocks to the south (Bickerton et al, 2013).

#### Judas Mountain Thrust

The Judas Mountain thrust fault (D1) marks the structural boundary between the Cache Creek terrane and the sedimentary rocks of the Whitehorse trough north of the Crag Lake fault. The thrust is exposed in the Judas Mountain area where rocks of the Whitehorse trough in the footwall show tight, overturned, southwest verging folds. In the immediate hanging wall at this location, mafic and ultramafic rocks are characterized by foliate listwaenite, serpentinite, and extensive hydrothermal veining. Folding of the Judas Mountain thrust is interpreted to result from a second phase of compression which also led to the development of the northeast-verging Mount Michie thrust (Bickerton et al, 2013).

The D1 phase which emplaced rocks of the Cache Creek terrane over Stikinia and Whitehorse trough, may also be responsible for bringing the hartzburgite/dunite bodies, interpreted to represent deeper levels of the arc assemblage, into contact with relatively shallow level volcanic and volcanioclastic rocks of the Cache Creek terrane (Figures 20 and 23; Bickerton et al, 2013).

The Judas Creek property is proximal, and likely was affected by the Judas Mountain Thrust. The low magnetic characteristic of the property area suggests the presence of altered listwaenites in the hanging wall.

#### Property Geology

Due to the lack of rock exposures, with the exception of the sequences along the highway, the property geology is inferred and remains as previously described in the region by Hunt et. al (1995).

The property is covered entirely by a variable layer of Quaternary cover, comprised mostly of clays and occasional gravels. In the valley floors there is a layer of organic material that is estimated to be one to several meters thick. Small creeks and the larger Judas Creek have not served to expose outcrops. Wooded areas have a very thin layer of coarse till which is very gravelly and rubbly and is thought to directly overlie within a meter outcrop.

The Marsh Lake-Judas Creek Corner area is considered to be a structurally complex zone in which rocks of Stikinia and the Cache Creek Terranes are juxtaposed. Within 2 kilometers of the property, the author observed this relationship in trenches completed by the previous exploration efforts of Dunvegan Exploration Co. Ltd. and also within rock exposures on the Alaska Highway.

### **Judas Creek Property**

The existence of a significant and sharp geophysical gradient on the property is currently interpreted by the author to represent a fault or intrusive contact possibly between serpentinized ultramafic rocks that are highly magnetic with units such as pyroxene gabbro or other mafic units that are relatively non-magnetic. As with listwaenitic lode-gold targets, the area of interest is that of the magnetic low. The reason for this is that during hydrothermal alteration of serpentinized ultramafic wall rocks, magnetite is destroyed and subsequently these areas are demonstrated by narrow low-magnetic zones that contract with the highly magnetic country rocks. This is to be further investigated in future exploration efforts. However, it is also important to be cognizant that graphitic horizons are commonly associated with these type of fault zones and this may be partly identified through resistivity surveys as the presence of graphite will create a zone of high resistivity coincident with the magnetic low.

This may be the case in the property area. This may be further justified by the possibility that just to the south of the identified geochemical anomalies identified in the 2012 field season, local prospectors examining a creek for possible placer potential in the higher terrain, reported the existence of altered ultramafic rock. This has not been confirmed by the author as this was reported to him after the field season had ended in the area.

### **Surficial Geology, Geomorphology and Glacial History**

(Excerpts from Smith et. al, 2004)

Due to the lack of rock exposure, and hence the heavy reliance on soil/till geochemistry sampling methods to provide indications of potential mineral anomalies, it is critical to understand the surficial geology, geomorphology and glacial history of the region.

The main sources of surficial geology information for the Yukon Southern Lakes Ecoregion are several surficial geology and soil maps (Rostad et. al., 1977; Morison and McKenna, 1981; Klasen and Morison, 1987; Morison and Klassen, 1991; Mougeot and Smith, 1992 and 1994). The surface deposits in this ecoregion are associated with the most recent Cordilleran glaciations, the McConnell, believed to have covered the south and central Yukon between 26,500 and 10,000 years ago. Most of the ecoregion was covered by ice that flowed towards the northwest from the Cassiar Mountains. Ice flowed into the area from the Cassiar Mountains to the southeast and the eastern Coast Mountains to the southwest. Trunk glaciers followed the major valleys and flowed northwestward across this region to terminate in the central Yukon. After the maximum extent of McConnell ice, deglaciation produced disruptive drainage systems and large glacial lakes as a result of a complex assemblage of ice lobes, which were restricted to valley bottoms and controlled by local topography. The streamlined topography of this region was shaped by the glacial flow directions.

Quaternary deposits are distributed in a general pattern throughout the Yukon River valley. High elevation slopes and summits are covered with a discontinuous colluviums or moraine veneer over bedrock. Where exposed, the bedrock is weathered or frost-shattered. Glacial till, often gullied, covers most mid-elevation slopes mixed with colluvial fans or aprons. The general composition of the till matrix in the region, noted by Jackson (1994), indicates a wide range of sand content (20-70%), silt (20-80%), and usually a lower clay content (5-30%).

Glaciofluvial sand and gravel terraces flank the valley sides while pitted or hummocky deposits of sand and gravel line the bottom of some valleys. These deposits are free of permafrost and have stable surfaces.

## Property Mineralization

As previously noted, the target model for precious metal mineralization at the Judas Creek property is thought to comprise of a mesothermal type gold deposit associate with altered listwaenites that were part of an ancient oceanic crust thrust over basinal sediments during Phanerozoic. The following section further describes the nature and key characteristics of this model type.

### **Target Model: Listwaenite - Lode Gold Related Deposits (Excerpt from Ash et. al, 1991)**

Listwaenite is a term applied to an alteration assemblage generated by carbon dioxide metasomatism of serpentinized ultramafic rocks. This alteration type is associated with most of the major mesothermal vein deposits in British Columbia and is also found to be associated with many major mesothermal vein deposits in Phanerozoic and Archean gold camps worldwide. This relationship appears to be due primarily to similarities in tectonic history and

involves using ultramafic and related plutonic rocks to delineate major structural breaks which act as "first order control" for the development of mesothermal gold deposits (Groves, 1990).

The term "listwanite" (or "listwaenite") is loosely characterized as a carbonatized ultramafic rock (Buisson and Leblanc, 1986). The process of listwanization produces a varying sequence of lateration products caused by differences in the intensity of lateration. This suite commonly includes (in order of increasing intensity of alteration): talc-altered serpentinite; talc-carbonate; quartz-talc carbonate; quart-carbonate-mariposite; and quartz-carbonate-mariposite-sulphides +/- gold.

### **Economic Significance and Western Cordilleran Deposit Setting**

The economic significance of this deposit type in the western Cordillera is demonstrated by historic gold production (Schroeter et al., 1989). In British Columbia, a total of six gold camps have produced more than one million ounces of gold and have accounted for approximately 80% of the province's historical gold production. Three of these gold camps have been classified as mesothermal vein deposits with a defined ophiolitic association. In addition, of added economic significance for this deposit type is the fact that a majority of placer gold camps in British Columbia are closely associated with accreted oceanic terranes (Hodgson et al., 1982).

These gold deposits are hosted by structures within or marginal to ophiolitic crustal and/or mantle lithologies. Having formed at oceanic crustal depths of 6 to 12 kilometers, the tectonic setting suggests the presence of deep crustal structures along which reverse movement must have occurred (Ash et al, 1991). These crustal structures were most likely active during collision and ophiolitic obduction processes and account for major vertical displacements that are observed within these gold camps. These crustal rocks appear to be significant as they provide competent lithologies suitable for the development of dilatational fractures during the ore deposition process. In most of the areas throughout British Columbia it has been observed (Ash et al, 1991) that there is a spatial and temporal association between mineralization and syn- to primarily post-accretionary felsic magmatism.

### **Regional Setting – Atlin Style Gold Deposits**

In the Atlin area, lode-gold mineralization is hosted by structures either within or marginal to a relatively flat-lying, dismembered and imbricated ophiolitic complex. This complex overlies with marked structural discordance, a lithologically variable imbricated package of oceanic metasedimentary and metavolcanic rocks, interpreted to represent a remnant subduction accretionary complex (Ash et. al., 1991). Furthermore the timing of the lode-gold mineralization reflects both the timing of oceanic closure and ophiolitic obduction, evidenced by the ending of oceanic crustal formation (Monger, 1984; Cordey, 1990) arc volcanism (Tipper, 1984), and the shedding of oceanic material into the Bowser Basin (Monger, 1984). Felsic

magmatism is spatially and temporally related to mineralization and tectonism. Throughout most of the Atlin gold camp, areas of listwaenitic alteration with anomalous gold values are in close proximity or immediately adjacent to a felsic dyke or stock.

#### Discussion on Exploration Guidelines and Techniques Used (Excerpt from Ash et al, 1991)

Ash et al., have provided some exploration guidelines that were considered in this study effort and are worthy of any exploration effort that is focused on identifying lode-gold deposits in the Marsh Lake-Judas Creek area.

Their first suggestion was to conduct systematic surface mapping focusing on the tectonic setting and the spatial distribution of the listwaenite alteration suite. Unfortunately due to the extensive glacial cover in the area, systematic mapping of the Judas Creek claims in the western and central portion of the property has been impossible. But use of techniques such as geochemical soil sampling has had mixed results, and geochemical till sampling from streams is encouraging. Geophysical surveys using VLF-EM appear to work and have produced encouraging results.

### 2015 Field Work and Testing Techniques

On the Judas Creek property, the author and his field assistant completed extensive trail construction, extensive mapping and prospecting, geochemical soil sampling and geophysical VLF-EM surveys of the property area. A total of 46 person days of work were completed on the property during the 2015 field season.

#### Testing Techniques

The initial sampling grid that was completed in 2012 was extended in all directions. A total of 127 soils, 3 stream samples, and one rock sample were collected during the field season. These were all sent to the ALS Lab in Whitehorse for preparation and then assayed in their Vancouver laboratory. ALS PREP-41 dry sieve 180 micron was used to prepare each soil/stream till sample and then ALS ME-ICP41 35 element Aqua Regia ICP-AES technique combined with ALS Au-TL43 Trace Level Au – 25g AR were used to provide assay results. One of the stream till samples was further tested with ALS Au- AROR43 Au AR Overrange – 25g technique.

The single rock sample was crushed and pulverized using ALS PREP-31 technique. It was then tested using ALS ME- ICP41 35 Element Aqua Regia ICP-AES technique combined with ALS Au-AA23 Au 30g FA- AA finish technique.

Results are included in the following certificate numbers (see Appendix X):

WH15154868 – 44 soils

clay covers with the exception of one sample. In the eastern portion of the property, the transition of elevation from the valley floor was significantly milder with a gradual elevation increase. As a result the “transition zone” in the sampling region in the eastern portion of the property did not exist. Whether variable slopes of elevation and related soil characteristics impact the ability to access anomalous till material is unknown, although are suspected.

It is encouraging that the anomalous samples are found to be coincident with the magnetic low identified from regional aeromagnetic surveys.

### **Discussion on Geophysical Surveys**

The 2015 exploration efforts also included two VLF-EM surveys conducted over the western and central portions of the Judas Creek property. The grid locations were selected to transect the approximate location of the boundary of the aeromagnetic low anomaly identified from regional geophysical surveys completed by the Yukon Geological Survey. The surveys were designed to confirm the presence of possible major faults in the area, and in particular the possible location of thrust faults associated with the Judas Mountain Thrust Fault system.

The current fault system is projected over 4.1 kilometers and is open to the west and southeast. The fault system appears to be complex, especially in the central and eastern portions of the property derived from the results of The VLF-EM survey. Some of the smaller faults may be indicative of localized block movements along the thrust. From regional mapping and geophysical date conducted by the Yukon Geological Survey and from mapping completed by Bickerton (2013), in the approximate location of the Judas Creek property, the Judas Mountain Thrust Fault is projected to bend towards the southeast. The results of the VLF-EM survey also indicate that the faults are coincident with the regional magnetic anomaly and the numerous possible movements of the fault(s) could be easily supported by the bending of the major thrust fault in this region.

### **Summary of 2015 Exploration Results**

The confirmation of the existence of a major fault system transecting the Judas Creek property is a highly positive development for the project, as the results support the conceptualized model. These type of faults systems throughout the Cordilleran are well known to provide the conduit for major hydrothermal activity and result in the establishment of significant mesothermal type precious metal lode style deposits. Furthermore, despite the sampling challenges on the property, the anomalous gold samples with chemistry consistent with the presence of ultramafic bodies provides further support for the conceptualized model and the possible existence of a precious metal mineralizing system in this fault system. The faults exist,

there is gold in the system, and the regional setting supports the potential for a major lode style gold deposit.

The current target is clearly a "blind target" that is masked by the ubiquitous Quaternary cover common in the Marsh Lake area and throughout southern Yukon. Geological mapping critical to further defining the geological setting appropriate for a significant deposit on this property is only possible through an extensive trenching program and/or a preliminary RAB drilling effort or preferably a combination of both activities.

## Future Work Plans

It is therefore suggested by the author that one be quite selective over where any sampling is undertaken as in areas of evident thick glacial cover despite possible promising underlying geology, geochemical sampling will likely be ineffective in providing any evidence of underlying sequences. Sampling may possibly be more effective in areas with thinner glacial cover but exploration results from 2012 and 2015 dictate the need for the use of other techniques such as test pits, trenching, and RAB drilling to further confirm the potential of the area for a gold deposit.

Geophysical surveys including both ground magnetic and IP surveys would be useful on the remainder of the property to the east to help further identify the extension of the current fault system to the east, and to better define possible drill targets within the known fault system in the western and central portions of the property.

Therefore it is recommended that future work should include:

- Additional geochemical stream till sampling of all small creeks in the region and especially the creek entering the south-eastern corner of the western valley where anomalous soils were encountered and one slightly anomalous stream till was identified. Coincidentally the upper part of this particular stream was identified by local prospectors to be running from exposures of altered serpentinites/peridotites in higher elevations. The existence of these possible outcrops needs to be investigated and may require trenching to be conducted in that region as it may provide an explanation for both the slightly anomalous till and the anomalous soils encountered in the 2012 field season.
- RAB drilling around the known anomalies to gain a better understanding of the geology, local structural controls, and understanding the alteration mineralogy and intensity as it can vary systematically away from the controlling structure and the focus of significant mineralization is typically associated with silicified zones (veins or stockworks) at the

core of the structural zone or its related splays. Use of the RAB drill is advantageous as it can use all existing roads and trails to access proposed drill sites; and

- Ground magnetic and resistivity geophysical surveys to compliment regional aeromagnetic surveys that combined with the current VLF-EM coverage will provide better definition of drill target areas on the existing grids, with further extension of the grids systems for all geophysical survey types to be conducted on the eastern portion of the property, particularly on the projected low magnetic boundary on claim blocks...

The budget for this future work should be as follows:

RAB Drilling 12 holes @30m/hole	\$30,000
Assays 120 samples @\$40	\$ 4,800
Geophysical Surveys	
- VLF-EM for eastern portion	\$ 5,000
- Ground magnetometer survey	\$20,000
Project Management/Geologist 12 days	\$ 6,000
Total:	\$65,800

With continued positive results the RAB drill could be used to extend holes to greater depths of up to 100 meters in depth or a conventional drill program could be designed to test the area and define possible resource.

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WH15154869 – 83 soils and 3 stream tills

WH15154867 – 1 rock

## Discussion on Geochemical Sampling – Soils and Stream

Soils in the Southern Lakes ecoregion have formed under a relatively mild, semi-arid climate within the rain shadow of the Elias Mountains. Mineral soils tend to be weathered and peat accumulations are generally less than 1m in thickness (Smith et. al, 2004). Numerous surveys including Rostad et. al (1977), Davis et al (1983a) and Mogeot and Smith (1992 and 1994) have described the soils as being predominantly Eutric Brunisols that formed on a variety of glacial parent materials. In the major valleys they are typically comprised of glaciolacustrine deposits of calcareous silt and clay. Soils are also typically alkaline. South-facing slopes may support grassland communities and the associated soils may have surface A- horizons rich in humus. Most wetlands are alkaline fens due to the base-rich nature of the geologic materials and rest on mineral soil or marl at less than 50 cm depth.

As previously noted, the 2012 soil geochemical sampling in the region had mixed results but provided 6 anomalous soil samples in the valley floor in the western portion of the property on Claim Blocks 4 and 6. However the results of the 2015 soil sampling program were disappointing with no anomalous precious metals encountered. Conventional soil size samples were collected in all instances. Samples were highly variable in quality as many failed to reach the C-Horizon due to the depth of peat cover in the lower wetlands and the coarse and very thin gravelly brittle cover in wooded areas. One stream sample provided a result of 1.58ppm Au in close proximity to the anomalous soil results of 2012.

2015 field efforts found little variability in soil material at various depths especially in areas where it was evident that glacial deposits were thick and any C-horizon material collected had a very high clay content.

From the 2012 and 2015 field seasons, where good results were obtained they were located in areas where the glacial cover is significantly thinner at the bottom of slopes adjacent to valley floors. Even in these locations, sampling was hampered by continuous boulder terrains or low-lying wet marshy organic rich areas proximal to Judas Creek. The sampling horizon depth was generally in the 30 cm depth range and samples taken at greater depth where possible did not show anomalous results. It is also not possible to draw any conclusions or possible relationships between the soil colors and/or textures to anomalous versus non-anomalous samples at this time. Attractive looking colorations (rust colored) samples encountered in several locales in the 2015 sampling program did not produce positive results. The only conclusion from both programs is that all anomalous samples were taken from a transition of B-C soil horizon on the edge of the valley floor in the transition zone between the steep hill sides with thick Quaternary

Appendix 1:  
Certificate of Qualifications

## Certificate of Qualification

I, Kevin J. Brewer, PGeo, hereby certify that:

- 1) I am a self-employed Consulting Geologist and sole proprietor of:  
39627 Yukon Inc, 6 Carnelian Court, Whitehorse, Yukon Y1A 6A3
- 2) I graduated with a Bachelor of Science (Honours) Degree in geology from Memorial University Of Newfoundland (MUN), St. John's, Newfoundland, in 1984.
- 3) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) and the Association of Professional Engineers and Geoscientists of Newfoundland and Labrador (APEGNL).
- 4) I have worked as a geologist for more than 25 years since my graduation from MUN.
- 5) I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
- 6) I am responsible for preparation of all sections of this assessment report.
- 7) I am not aware of any material facts or material changes with respect to the subject matter of the assessment report not contained within the report, of which the omission to disclose makes the report misleading.
- 8) I have read National Instrument 43-101 and form 43-101F1; however, this Assessment Report has not been prepared in compliance with that instrument and form.
- 9) I consent to the filing of this Report with the Department of Energy, Mines and Resources, Government of Yukon.
- 10) The effective date of this report is February 18, 2013.

Dated the 18th day of February, 2013,

"Kevin Brewer"

Kevin Brewer, MSc, BSc (Hons), PGeo  
39627 Yukon Inc  
Whitehorse, Yukon Y1A 6A3  
Telephone: 867-633-4260  
Fax: 867-633-7137  
Email: [kev@kev99@hotmail.com](mailto:kev@kev99@hotmail.com)



Appendix 2:  
Expenditure Summary

## Expenditures Summary - Judas Creek

Year: 2015

Claims: Judas 1-30

Company: 39627 Yukon Inc.

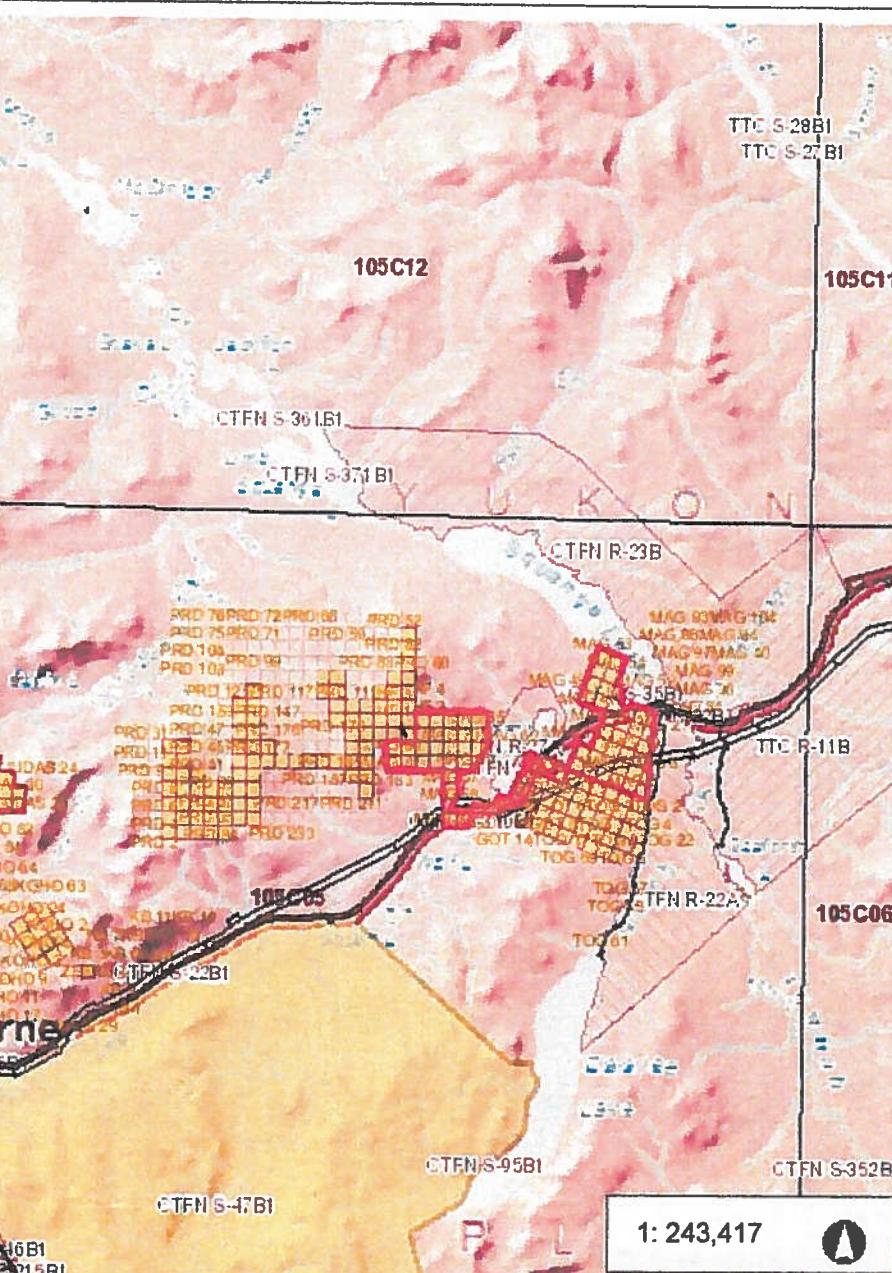
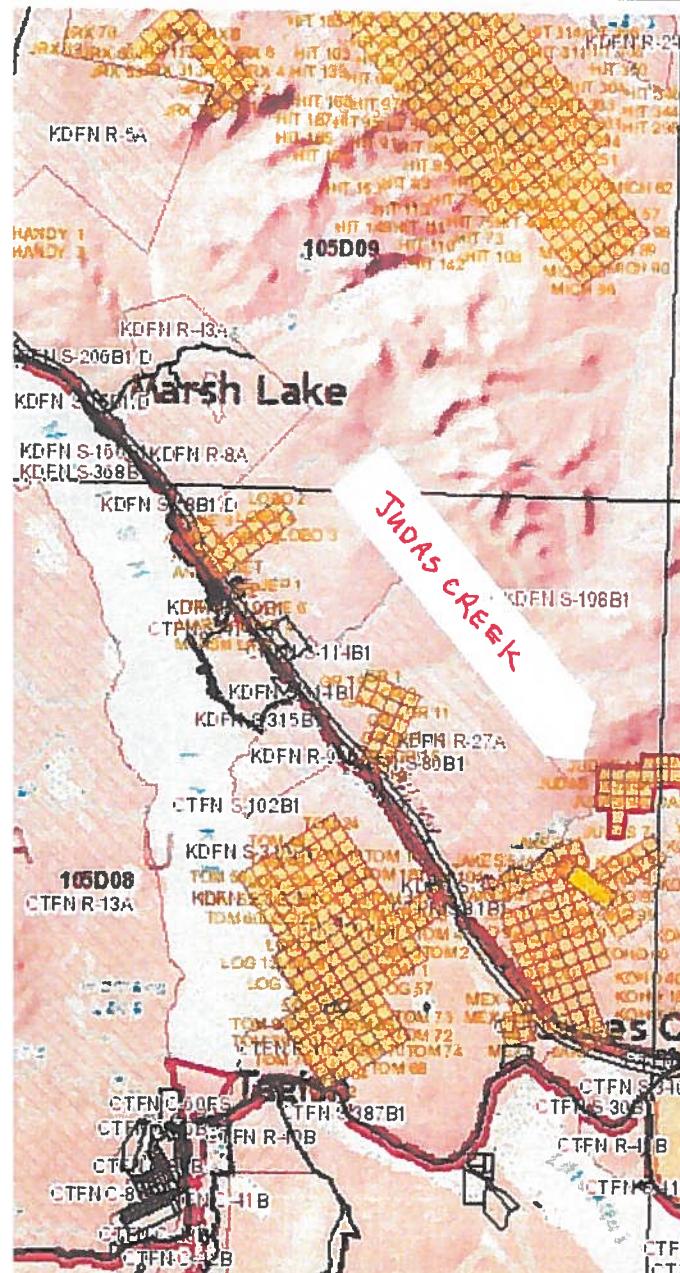
Project Manager: Kevin Brewer P. Geo

<b>Item</b>	<b>Rate</b>	<b>Units</b>	<b>Subtotal</b>
Field activities			
Geologist	500	23	\$ 11,500.00
Field Asst	275	23	\$ 6,325.00
Daily Field costs			
Crew	100	46	\$ 4,600.00
Reporting and Administration			
Geologist	500	4	\$ 2,000.00
Mileage			
Whse-Judas Creek return 188km/trip	0.625	4324	\$ 2,702.50
Field Equipment			
ATV	40	23	\$ 920.00
ATV trailer	16	23	\$ 368.00
Other	25	4	\$ 100.00
Assays			\$ 3,665.51
Geophysical Equipment rental			\$ 943.35
Subcontractor - Drafting			\$ 500.00
Miscellaneous - Materials, copying, other			<u>\$745.00</u>
<b>Total</b>			<b><u>\$ 34,369.36</u></b>

Appendix 3:

A. Judas Creek Claims

## Location - Judas Creek Claims



### Legend

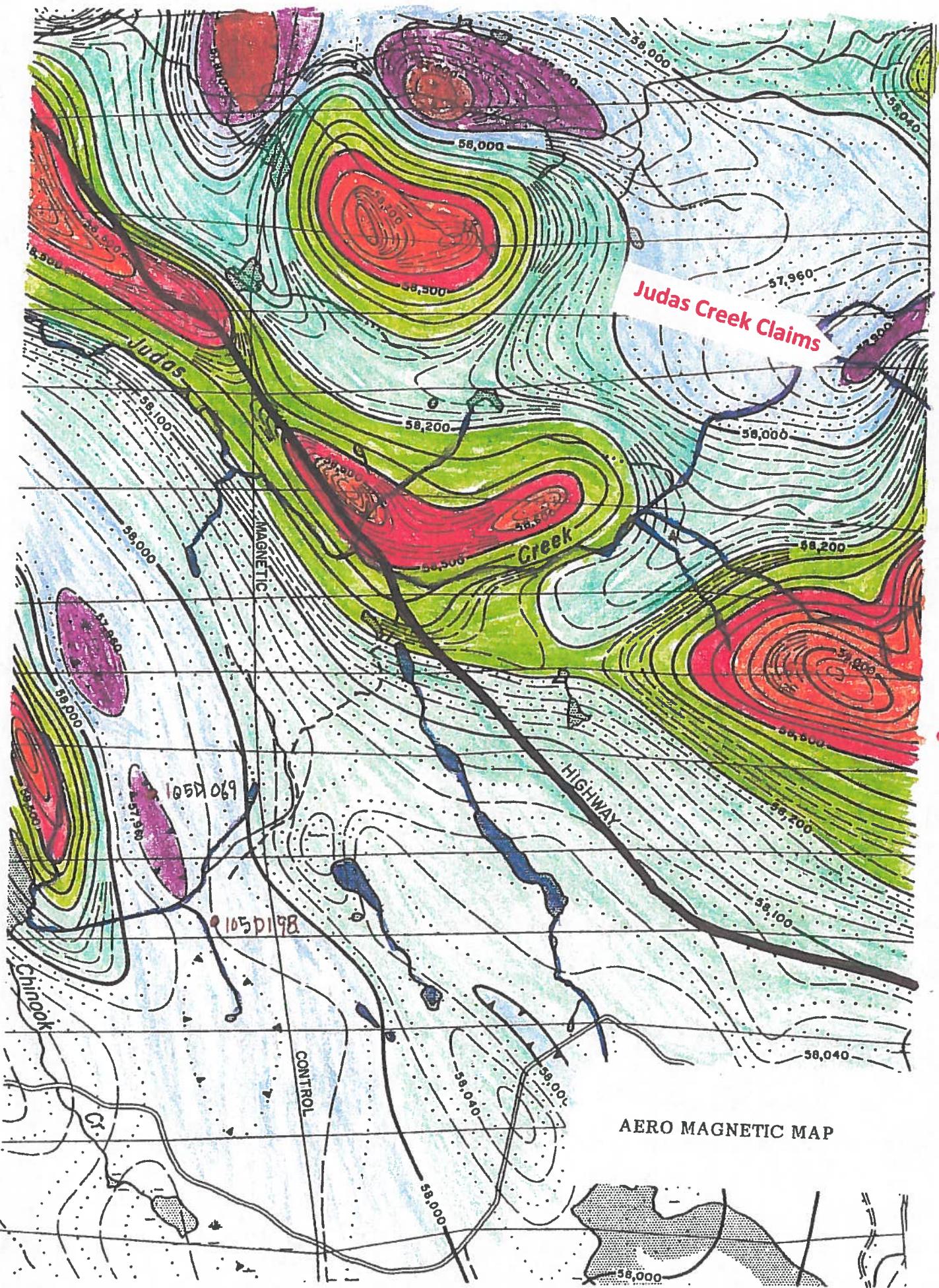
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Placer Claims (50K)
  - Active and Pending
  - Expired
- Prospecting Leases  
Prospecting Leases (50K)
  - Active and Pending
  - Expired
- Adjoin Placer  
Placer Mining Land Use Permit
  - Class 3
  - Class 4
- New Quartz Claims  
Quartz Claims (50K)
  - Active and Pending
  - Expired
- Quartz Leases (50K)  
Quartz Leases (50K)
  - Active and Pending
  - Expired
- Adjoin Quartz  
Quartz Mining Land Use Permit
  - Class 3
  - Class 4
- Coal Exploration License  
Coal Exploration License
  - Active and Pending
  - Expired
- Coal Mining Lease  
Coal Mining Lease
  - Active and Pending
  - Expired
- Surveyed Mineral Claims  
Surveyed Mineral Claims

### Notes

This map is a user generated static output from an internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.  
Date Printed: 17-Nov-2013

## Judas Creek Claims - Status as of January 4, 2016

No.	Claim Owner	Staking Date	Expiry Date	Status	NTS Map No.
1	Kevin Brewer - 100%	2012-10-21	2016-10-22	Active	105D08
2	Kevin Brewer - 100%	2012-10-21	2016-10-22	Active	105D08
3	Kevin Brewer - 100%	2012-10-21	2016-10-22	Active	105D08
4	Kevin Brewer - 100%	2012-10-21	2016-10-22	Active	105D08
5	Kevin Brewer - 100%	2012-10-21	2016-10-22	Active	105D08
6	Kevin Brewer - 100%	2012-10-21	2016-10-22	Active	105D08
7	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
8	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
9	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
10	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
11	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
12	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
13	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
14	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
15	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
16	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
17	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
18	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
19	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
20	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
21	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
22	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
23	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
24	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
25	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
26	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
27	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
28	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
29	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08
30	Kevin Brewer - 100%	2013-03-01	2017-03-01	Active	105D08



AERO MAGNETIC MAP

B. Assays – Rock



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Page: 1  
Total # Pages: 3 (A - C)  
Plus Appendix Pages  
Finalized Date: 21-OCT-2015  
This copy reported on  
30-OCT-2015  
Account: YUKIN

## QC CERTIFICATE WH15154867

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 9-OCT-2015.

The following have access to data associated with this certificate:

KEVIN BREWER

### SAMPLE PREPARATION

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

### ANALYTICAL PROCEDURES

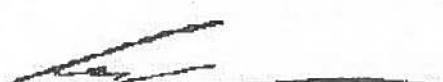
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

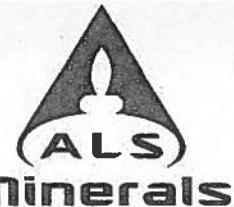
To: 39627 YUKON INC  
ATTN: KEVIN BREWER  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH15154867

Sample Description	Method	ME-ICP41														
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
AR1	LOR	<1	0.01	<10	15.40	394	<1	0.01	1010	60	<2	<0.01	3	6	3	<20

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





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Page: 2 - A

Total # Pages: 2 (A - C)

Plus Appendix Pages

Finalized Date: 21-OCT-2015

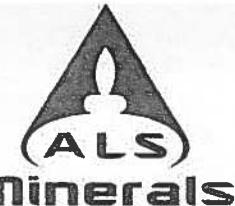
Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154867

Sample Description	Method	WEI-21	ME-ICP41														
	Analyte Units LOR	Recv'd Wt.	Ag kg	Al ppm	As %	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	
AR1		2.08	<0.2	0.15	75	<10	10	<0.5	<2	0.10	<0.5	46	719	4	3.42	<10	

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





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## CERTIFICATE OF ANALYSIS WH15154867

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Au-AA23 Au ppm
AR1		<0.01	<10	<10	9	<10	6	<0.005

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



C. Assays - Soils "A" Samples

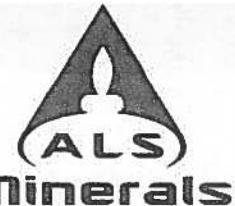
- Description of "A" Samples
- Assay Certificate WH15154868

## Description of Soils

Judas Creek - Central Grid

Sample No.	Location	Terrain	Colour	Texture	Horizon	Depth (cm)	Clast %	Quality	Notes
	Easting	Northing							
A Samples	(Certificate WH 15154868)								
1	554900	6698675	Flat	Black	mud	B-C	30	0 Poor	organic
2	554900	6698650	Flat	Black	mud	B-C	35	0 Poor	organic
3	554900	6698625	Flat	Black	mud	B-C	35	0 Poor	organic
4	554900	6698600	Flat	Black	mud	B-C	35	0 Poor	organic
5	554900	6698575	Flat	Black	mud	B-C	35	10 Poor	organic
6	554900	6698550	Flat	Black	mud	B-C	35	0 Poor	organic
7	554900	6698525	Flat	Black	mud	B-C	35	15 Poor	organic
8	554900	6698500	Flat	Black	mud	B-C	40	10 Poor	organic
9	554900	6698475	Flat	Grey-Black	clay-mud	B-C	30	0 Poor-Moderate	mostly organic
10	554800	6698475	Flat	Grey-Black	clay-mud	B-C	30	0 Poor-Moderate	mostly organic
11	554800	6698500	Flat	Grey-Black	clay-mud	B-C	35	0 Poor-Moderate	mostly organic
12	554800	6698525	Flat	Grey-Black	clay-mud	B-C	20-Jan	Poor	mostly organic
13	554800	6698550	Flat	Grey-Black	clay-mud	B-C	25	Poor	mostly organic
14	554800	6698575	Flat	Grey-Black	clay-mud	B-C	30	Poor	mostly organic
15	554800	6698600	Flat	Grey-Black	clay-mud	B-C	30	Poor	mostly organic
16	554700	6698550	Flat	Black	mud	B-C	35	poor	organic
17	554700	6698525	Flat	Black	mud	B-C	40	poor	organic
18	554700	6698500	Flat	Grey-black	clay-mud	B-C	30	poor	mostly organic
19	554700	6698475	Flat	grey-black	clay-mud	B-C	30	Poor	mostly organic
20	554700	6698450	Flat	Grey-Black	clay-mud	B-C	35	Poor	mostly organic
21	554700	6698425	Flat	Grey-Black	clay-mud	B-C	35	Poor	mostly organic
22	554600	6698450	Flat	Black	mud	B-C	35	poor	organic
23	554600	6698475	Flat	Black	mud	B-C	40	poo	organic
24	554600	6698500	Flat	Black	mud	B-C	40	poor	organic
25	554600	6698525	Flat	Grey-black	clay-mud	B	30	poor	mostly organic
26	554500	6698475	Flat	Black	mud	B-C	30	poor	organic
27	554500	6698450	Flat	black	mud	B-C	35	Poor	organic
28	554500	6698425	Flat	black	mud	B-C	35	Poor	organic
29	554400	6698425	Flat	Black	mud	B-C	40	Poor	organic
30	554400	6698450	Flat	Black	mud	B-C	40	Poor	organic
31	554400	6698475	Flat	black	mud	B-C	40	Poor	organic
32	554400	6698500	Flat	Grey-Black	clay-mud	B-C	35	Poor	mostly organic

33	554300	6698525	Flat	black	mud	B-C	35	Poor	organic
34	554300	6698500	Flat	black	mud	B-C	35	Poor	organic
35	554300	6698475	Flat	black	mud	B-C	35	Poor	organic
36	554300	6698450	Flat	black	mud	B-C	35	Poor	organic
37	554300	6698425	Flat	black	mud	B-C	35	Poor	organic
38	554300	6698400	Flat	grey-black	clay-mud	A-B	20	Poor	mostly organic
39	554300	6698375	Flat	Grey-Black	clay-mud	A-B	25	Poor	mostly organic
40	554300	6698350	Flat	grey-cream	silt-sand	A-B	20	Poor	coarse gr, little organics
41	554300	6698325	Flat	grey-cream	silt-sand	A-B	15	Poor	coarse gr, little organics
42	554300	6698300	Flat	grey-cream	silt-sand	A-B	15	Poor	coarse gr, little organics
43	554300	6698275	Flat	Cream-rust	silt-sand	A-B	10	Poor	coarse gr, little organics
44	554300	6698250	Flat	Cream-rust	silt-sand	A-B	10	Poor	coarse gr, little organics



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Page: 1  
Total # Pages: 3 (A - C)  
Plus Appendix Pages  
Finalized Date: 25-OCT-2015  
This copy reported on  
30-OCT-2015  
Account: YUKIN

## QC CERTIFICATE WH15154868

This report is for 44 Soil samples submitted to our lab in Whitehorse, YT, Canada on 9-OCT-2015.

The following have access to data associated with this certificate:

KEVIN BREWER

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login – Rcd w/o BarCode
SCR-41	Screen to -180um and save both

### ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-TL43	Trace Level Au - 25g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

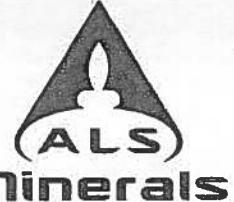
To: 39627 YUKON INC  
ATTN: KEVIN BREWER  
6 CARNELIAN COURT  
WHITEHORSE YT Y1A 6A3

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

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

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Page: 1

Total # Pages: 3 (A - C)

Plus Appendix Pages

Finalized Date: 25-OCT-2015

This copy reported on  
30-OCT-2015

Account: YUKIN

## CERTIFICATE WH15154868

This report is for 44 Soil samples submitted to our lab in Whitehorse, YT, Canada on 9-OCT-2015.

The following have access to data associated with this certificate:

KEVIN BREWER

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

### ANALYTICAL PROCEDURES

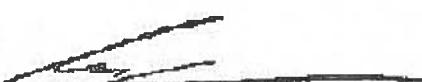
ALS CODE	DESCRIPTION	INSTRUMENT
AU-TL43	Trace Level Au - 25g AR	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: 39627 YUKON INC  
ATTN: KEVIN BREWER  
6 CARNELIAN COURT  
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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 3 (A - C)

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Finalized Date: 25-OCT-2015

Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154868

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A1		0.24	<0.2	1.58	5	<10	500	<0.5	<2	0.38	0.5	15	92	13	2.47	10
A2		0.22	<0.2	1.67	9	<10	390	<0.5	<2	0.31	<0.5	30	246	25	3.57	<10
A3		0.18	<0.2	1.43	3	<10	320	<0.5	<2	0.33	<0.5	13	88	12	2.25	10
A4		0.23	<0.2	1.91	6	<10	450	<0.5	2	0.42	0.9	20	99	15	2.84	10
A5		0.17	<0.2	2.07	7	<10	380	0.5	<2	0.34	<0.5	13	107	16	2.89	10
A6		0.30	<0.2	1.48	4	<10	320	<0.5	<2	0.30	<0.5	15	78	17	2.33	10
A7		0.17	<0.2	1.14	6	<10	200	<0.5	<2	0.33	<0.5	7	34	18	1.78	<10
A8		0.39	<0.2	1.22	8	<10	250	<0.5	<2	0.42	<0.5	8	49	25	1.99	<10
A9		0.34	<0.2	1.63	11	<10	290	<0.5	<2	0.48	<0.5	14	62	30	2.71	<10
A10		0.24	<0.2	2.06	8	<10	420	0.5	<2	0.35	<0.5	14	90	18	2.87	10
A11		0.18	<0.2	1.44	6	<10	380	<0.5	<2	0.27	<0.5	12	69	10	2.16	10
A12		0.22	<0.2	1.73	8	<10	300	<0.5	<2	0.27	<0.5	14	93	16	2.50	10
A13		0.12	<0.2	1.65	57	<10	280	<0.5	<2	0.82	<0.5	12	68	30	2.79	<10
A14		0.21	<0.2	1.48	27	<10	190	<0.5	<2	0.41	<0.5	7	45	13	2.10	<10
A15		0.24	<0.2	1.31	27	<10	160	<0.5	<2	0.40	<0.5	7	43	16	1.94	<10
A16		0.22	<0.2	1.80	10	<10	350	0.5	<2	0.55	<0.5	13	60	37	2.75	10
A17		0.32	<0.2	1.61	11	<10	320	<0.5	<2	0.48	<0.5	13	60	37	2.65	<10
A18		0.26	0.2	1.79	13	<10	350	0.6	<2	0.61	<0.5	15	74	57	3.10	<10
A19		0.16	<0.2	1.25	6	<10	230	<0.5	<2	0.38	0.5	14	103	11	2.26	<10
A20		0.20	<0.2	1.70	5	<10	330	<0.5	<2	0.39	0.5	16	104	13	2.72	10
A21		0.24	0.2	1.49	5	<10	410	<0.5	<2	0.36	0.5	12	80	12	2.27	10
A22		0.15	<0.2	1.70	4	<10	420	<0.5	<2	0.41	<0.5	13	82	11	2.46	10
A23		0.06	<0.2	1.17	3	<10	390	<0.5	<2	0.27	<0.5	10	51	8	1.74	<10
A24		0.18	<0.2	1.31	4	<10	310	<0.5	<2	0.36	<0.5	10	62	9	1.90	<10
A25		0.27	<0.2	1.39	5	<10	280	<0.5	<2	0.32	<0.5	9	70	13	2.07	<10
A26		0.26	<0.2	1.47	6	<10	290	<0.5	<2	0.31	<0.5	9	63	14	2.05	<10
A27		0.21	<0.2	1.55	6	<10	290	<0.5	<2	0.32	<0.5	10	72	11	2.30	10
A28		0.25	<0.2	1.64	13	<10	270	<0.5	<2	0.32	<0.5	15	119	19	2.62	<10
A29		0.18	<0.2	1.35	9	<10	290	<0.5	<2	0.32	<0.5	9	49	7	2.06	<10
A30		0.18	<0.2	0.76	6	<10	130	<0.5	<2	0.28	<0.5	4	27	12	1.30	<10
A31		0.14	<0.2	0.73	6	<10	140	<0.5	<2	0.32	<0.5	5	25	11	1.23	<10
A32		0.19	<0.2	0.88	6	<10	140	<0.5	<2	0.34	<0.5	6	31	12	1.45	<10
A33		0.14	0.2	1.13	2	<10	270	<0.5	<2	0.26	<0.5	8	25	8	1.74	<10
A34		0.11	<0.2	0.84	3	<10	240	<0.5	<2	0.26	<0.5	6	21	9	1.23	<10
A35		0.19	<0.2	0.75	5	<10	170	<0.5	<2	0.64	<0.5	6	36	14	1.47	<10
A36		0.33	<0.2	1.27	5	<10	350	<0.5	<2	0.57	<0.5	8	35	23	1.79	<10
A37		0.30	<0.2	0.93	6	<10	210	<0.5	<2	0.66	<0.5	7	36	17	1.69	<10
A38		0.23	<0.2	1.13	7	<10	270	<0.5	<2	0.72	<0.5	8	37	23	1.77	<10
A39		0.14	<0.2	0.96	12	<10	290	<0.5	<2	1.42	<0.5	7	39	28	1.45	<10
A40		0.07	<0.2	0.16	6	<10	380	<0.5	<2	4.61	0.6	2	9	16	0.34	<10

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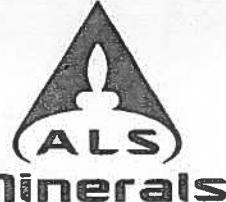
Finalized Date: 25-OCT-2015

Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154868

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Th ppm 20
A1	<1	0.06	10	0.63	829	<1	0.02	76	630	9	<0.01	<2	3	19	<20	
	<1	0.07	10	2.39	855	<1	0.02	283	610	6	<0.01	<2	6	17	<20	
	<1	0.05	10	0.56	622	<1	0.02	68	640	5	0.01	<2	3	17	<20	
	<1	0.07	10	0.69	444	<1	0.02	99	750	6	<0.01	2	3	19	<20	
	<1	0.05	10	0.77	261	<1	0.02	99	740	6	<0.01	<2	4	18	<20	
A6	<1	0.05	10	0.64	599	1	0.02	84	530	7	<0.01	<2	2	15	<20	
	<1	0.07	10	0.43	344	1	0.01	32	550	5	0.01	<2	3	17	<20	
	<1	0.08	10	0.57	340	3	0.01	45	400	5	0.01	2	4	24	<20	
	1	0.13	10	0.76	410	2	0.02	60	790	7	0.01	<2	4	27	<20	
	<1	0.06	10	0.71	386	2	0.01	115	1080	6	0.01	<2	4	21	<20	
A11	<1	0.06	10	0.50	1055	2	0.01	64	580	5	0.01	<2	3	14	<20	
	<1	0.05	10	0.72	307	2	0.01	102	700	6	0.01	<2	3	16	<20	
	<1	0.15	10	0.83	706	2	0.02	118	880	8	0.06	<2	5	43	<20	
	<1	0.06	10	0.47	269	2	0.01	53	520	5	0.02	<2	3	21	<20	
	<1	0.06	10	0.51	247	2	0.01	56	450	5	0.02	2	3	21	<20	
A16	<1	0.12	10	0.76	470	3	0.02	59	900	7	0.01	<2	5	33	<20	
	1	0.13	10	0.73	586	3	0.01	58	690	8	0.01	<2	5	29	<20	
	1	0.15	20	0.79	634	3	0.02	83	550	9	0.01	2	7	34	<20	
	<1	0.05	10	0.57	324	1	0.01	95	670	4	0.01	<2	3	20	<20	
	<1	0.06	10	0.79	602	1	0.01	86	840	7	0.01	<2	4	19	<20	
A21	1	0.07	10	0.61	508	2	0.01	66	700	6	0.01	<2	3	20	<20	
	<1	0.07	10	0.66	368	2	0.01	66	620	5	0.01	<2	3	21	<20	
	<1	0.05	<10	0.36	773	1	0.02	44	450	5	0.01	<2	2	15	<20	
	<1	0.05	10	0.50	502	2	0.01	53	520	4	0.01	<2	3	19	<20	
	<1	0.08	10	0.49	336	2	0.01	53	520	5	0.01	<2	3	17	<20	
A26	<1	0.07	10	0.50	279	2	0.01	64	560	6	0.01	<2	3	17	<20	
	1	0.08	10	0.53	278	1	0.01	61	760	5	0.01	<2	3	17	<20	
	<1	0.08	10	0.85	396	1	0.01	144	590	4	0.01	6	4	18	<20	
	<1	0.07	10	0.39	429	1	0.01	43	480	5	0.01	<2	2	17	<20	
	<1	0.05	10	0.30	163	1	0.01	24	260	2	0.01	<2	2	14	<20	
A31	<1	0.07	10	0.27	259	1	0.01	23	240	3	0.01	<2	2	17	<20	
	<1	0.07	10	0.38	164	1	0.01	29	580	4	0.01	<2	2	17	<20	
	<1	0.05	10	0.26	796	2	0.01	17	930	6	0.01	<2	2	15	<20	
	<1	0.05	10	0.24	614	1	0.01	22	780	4	0.01	<2	2	17	<20	
	<1	0.06	10	0.45	217	1	0.02	28	540	3	0.01	<2	3	28	<20	
A36	<1	0.08	10	0.39	637	2	0.01	29	250	6	0.01	<2	3	29	<20	
	<1	0.08	10	0.49	325	2	0.02	29	540	4	0.02	<2	3	33	<20	
	<1	0.08	10	0.50	307	1	0.02	34	290	5	0.02	<2	3	33	<20	
	<1	0.07	10	0.65	324	1	0.02	95	800	3	0.16	<2	3	66	<20	
	<1	0.03	<10	0.29	1410	2	0.01	78	1160	<2	0.21	<2	<1	151	<20	

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Plus Appendix Pages  
Finalized Date: 25-OCT-2015  
Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154868

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-TL43
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
A1		0.12	<10	<10	51	<10	89	0.002
A2		0.09	<10	<10	55	<10	57	<0.001
A3		0.12	<10	<10	49	<10	78	0.001
A4		0.13	<10	<10	59	<10	140	0.001
A5		0.14	<10	<10	63	<10	56	<0.001
A6		0.13	<10	<10	53	<10	83	<0.001
A7		0.10	<10	<10	43	<10	37	0.001
A8		0.09	<10	<10	44	<10	42	0.001
A9		0.12	<10	<10	58	<10	59	0.002
A10		0.13	<10	<10	61	<10	86	<0.001
A11		0.11	<10	<10	47	<10	97	0.003
A12		0.12	<10	<10	55	<10	64	0.001
A13		0.09	<10	<10	49	<10	188	<0.001
A14		0.10	<10	<10	45	<10	60	0.001
A15		0.08	<10	<10	40	<10	61	0.005
A16		0.14	<10	<10	66	<10	64	<0.001
A17		0.11	<10	<10	55	<10	63	0.002
A18		0.12	<10	<10	61	<10	73	0.002
A19		0.11	<10	<10	47	<10	143	0.001
A20		0.18	<10	<10	61	<10	158	<0.001
A21		0.11	<10	<10	51	<10	99	<0.001
A22		0.12	<10	<10	57	<10	90	0.002
A23		0.11	<10	<10	40	<10	83	<0.001
A24		0.10	<10	<10	43	<10	65	0.001
A25		0.11	<10	<10	46	<10	58	0.001
A26		0.10	<10	<10	44	<10	36	<0.001
A27		0.12	<10	<10	52	<10	69	0.001
A28		0.10	<10	<10	55	<10	48	0.002
A29		0.13	<10	<10	48	<10	74	0.008
A30		0.08	<10	<10	33	<10	20	0.008
A31		0.08	<10	<10	32	<10	21	0.001
A32		0.09	<10	<10	35	<10	23	0.002
A33		0.11	<10	<10	40	<10	73	0.001
A34		0.07	<10	<10	28	<10	49	<0.001
A35		0.08	<10	<10	35	<10	33	0.002
A36		0.08	<10	<10	41	<10	42	0.001
A37		0.08	<10	<10	38	<10	39	0.003
A38		0.09	<10	<10	41	<10	35	0.002
A39		0.06	<10	<10	29	<10	42	0.003
A40		0.01	<10	<10	8	<10	61	NSS

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Finalized Date: 25-OCT-2015

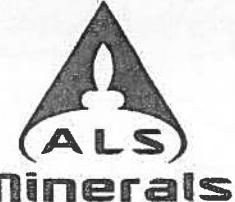
Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154868

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41													
		Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
A41		0.26	0.2	0.82	42	<10	350	<0.5	<2	2.06	<0.5	7	35	30	1.82	<10
A42		0.21	0.4	0.57	200	<10	1470	<0.5	<2	2.58	0.8	30	29	29	4.88	<10
A43		0.15	<0.2	1.00	37	<10	550	<0.5	<2	1.61	<0.5	10	44	37	2.36	<10
A44		0.38	<0.2	1.03	4	<10	190	<0.5	<2	0.43	<0.5	9	37	16	1.79	<10

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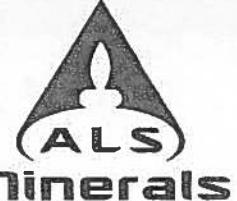
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CERTIFICATE OF ANALYSIS WH15154868

Sample Description	Method	ME-ICP41														
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
A41		1	0.06	10	0.47	941	2	0.01	101	970	4	0.26	<2	2	83	<20
A42		1	0.03	10	0.56	27700	13	0.01	411	1600	6	0.32	<2	1	137	<20
A43		1	0.04	10	0.55	1170	1	0.02	118	1020	7	0.17	2	3	75	<20
A44		1	0.13	10	0.39	537	1	0.01	30	470	5	<0.01	2	3	22	<20

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Page: 3 - C  
Total # Pages: 3 (A - C)  
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CERTIFICATE OF ANALYSIS WH15154868

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-TL43
	Analyte	Ti	Ti	U	V	W	Zn	Au
Units	%	ppm	ppm	ppm	ppm	ppm	ppm	
LOR	0.01	10	10	1	10	2	0.001	
A41		0.04	<10	<10	27	<10	38	0.003
A42		0.02	<10	10	37	<10	52	0.003
A43		0.05	<10	<10	35	<10	46	0.003
A44		0.09	<10	<10	40	<10	36	0.001

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



D. Assays – Soils "J" Samples

- Description of "J" Samples
- Assay Certificate WH15154869

## Description of Soils

Judas Creek - East Grid

Sample No.	Location	Terrain	Colour	Texture	Horizon	Depth (cm)	Clast %	Quality	Notes
	Easting	Northing							
<b>J Samples</b>	<b>(Certificate WH 15154868)</b>								
1	555600	6699125	Flat	Grey-cream	sand-clay	B	20	0 Poor	
2	555600	6699150	Flat	Grey-cream	sand-clay	B	20	0 Poor	
3	555600	6699175	Flat	Grey-cream	sand-clay	B	15	0 Poor	
4	555600	6699200	Flat	Grey-rust	silt-sand	B	15	0 Poor	
5	555600	6699225	Flat	Grey-rust	silt-sand	A-B	10	10 Poor	
6	555600	6699250	Flat	grey-cream	sand-clay	B	20	0 Poor	
7	555600	6699275	Flat	grey-rust		A	5	15 Poor	
8	555600	6699300	Flat	grey-rust	silt-sand	A	5	10 Poor	
9	555600	6699325	Flat	Grey-Black	sand-mud	B-C	40	0 Poor-Moderate	mostly organic
10	555600	6699350	Flat	Grey-Black	sand-mud	B-C	35	0 Poor-Moderate	mostly organic
11	555600	6699375	Flat	Grey-Black	sand-mud	B-C	35	0 Poor-Moderate	mostly organic
12	555500	6699100	Flat	Cream-rust	silt-sand	A	10-Jan	Poor	
13	555500	6699125	Flat	Cream-rust	silt-sand	A	15	Poor	
14	555500	6699150	Flat	Cream-rust	silt-sand	A	10	Poor	
15	555500	6699175	Flat	Cream-rust	silt-sand	A	10	Poor	
16	555500	6699200	Flat	Grey-Cream	silt-clay	A-B	20	Poor-Moderate	
17	555500	6699225	Flat	Grey-Cream	silt-clay	A-B	20	Poor-Moderate	
18	555500	6699250	Flat	Grey-black	silt-mud	B	30	Moderate	mostly organic
19	555400	6698950	Flat	Cream-rust	silt-sand	A	10	Poor	
20	555400	6698975	Flat	Grey-rust	silt-sand	A-B	15	Poor	
21	555400	6699025	Flat	Grey-Black	clay-mud	B	20	Poor	mostly organic
22	555400	6699050	Flat	Black	mud	B-C	35	Moderate	organic
23	555300	6698975	Flat	Grey-Cream	silt-clay	A-B	20	Poor-Moderate	
24	555300	6699000	Flat	Grey-Cream	silt-clay	A-B	20	Poor-Moderate	
25	555300	6699025	Flat	Grey-black	clay-mud	B	30	Moderate	mostly organic
26	555300	6699050	Flat	Black	mud	B-C	30	Moderate	organic
27	555200	6698400	Flat	Grey-Cream	silt-clay	A-B	10	Poor	
28	555200	6698425	Flat	Grey-Cream	silt-clay	A-B	15	Poor	
29	555200	6698450	Flat	Grey-Cream	silt-clay	A-B	15	Poor	



30	555200	6698475	Flat	Grey-Cream	silt-clay	A-B	15	Poor
31	555200	6698500	Flat	Grey-Cream	silt-clay	A-B	15	Poor
32	555200	6698525	Flat	Grey-Cream	silt-clay	A-B	15	Poor
33	555200	6698550	Flat	Grey-Cream	silt-clay	A-B	10	Poor
34	555200	6698575	Flat	Grey-Cream	silt-clay	A-B	10	Poor
35	555200	6698600	Flat	Grey-Cream	silt-clay	A-B	10	Poor
36	555200	6698625	Flat	Grey-Cream	silt-clay	A-B	10	Poor
37	555200	6698650	Flat	Grey-Cream	silt-clay	A-B	10	Poor
38	555200	6698675	Flat	Grey-Cream	silt-clay	A-B	10	Poor
39	555200	6698700	Flat	Grey-Cream	silt-clay	A-B	10	Poor
40	555200	6698725	Flat	Cream-Rust	silt-sand	A-B	10	Poor
41	555200	6698750	Flat	Cream-Rust	silt-sand	A-B	10	Poor
42	555200	6698775	Flat	Cream-Rust	silt-sand	A-B	10	Poor
43	555200	6698800	Flat	Cream-Rust	silt-sand	A-B	10	Poor
44	555200	6698825	Flat	Cream-Rust	silt-sand	A-B	10	Poor
45	555200	6698850	Flat	Grey-Cream	silt-clay	B	20	Poor
46	555200	6698875	Flat	Grey-Black	clay-mud	B	20	Poor
47	555200	6698900	Flat	Grey-Black	clay-mud	B-C	25	Poor-Moderate
48	555200	6698925	Flat	Black	mud	B-C	30	Poor-Moderate
49	555200	6698950	Flat	Black	mud	B-C	35	Poor-Moderate
50	555200	6698975	Flat	Black	mud	B-C	35	Poor-Moderate
51	555100	6698925	Flat	Black	mud	B-C	35	Poor-Moderate
52	555100	6698900	Flat	Black	mud	B-C	35	Poor-Moderate
53	555100	6698875	Flat	Black	mud	B-C	35	Poor-Moderate
54	555100	6698850	Flat	Grey-Black	clay-mud	B-C	25	Poor
55	555100	6698825	Flat	Grey-Black	clay-mud	B-C	25	Poor
56	555100	6698800	Flat	Grey-Black	clay-mud	B-C	30	Poor-moderate
57	555100	6698775	Flat	Black	mud	B-C	35	Poor-Moderate
58	555100	6698750	Flat	Black	mud	B-C	35	Poor-Moderate
59	555100	6698725	Flat	Black	mud	B-C	35	Poor-Moderate
60	555100	6698700	Flat	Black	mud	B-C	35	Poor-Moderate
61	555100	6698675	Flat	Black	mud	B-C	35	Poor-Moderate
62	555100	6698650	Flat	Black	mud	B-C	35	Poor-Moderate
63	555100	6698625	Flat	Black	mud	B-C	35	Poor-Moderate

64	555100	6698600	Flat	Black	mud	B-C	35	Poor-Moderate	organic
65	555100	6698575	Flat	Black	mud	B-C	35	Poor-Moderate	organic
66	555100	6698550	Flat	Grey-Black	clay-mud	B-C	30	Poor-moderate	mostly organic
67	555100	6698525	Flat	Grey-Black	clay-mud	B-C	30	Poor-moderate	mostly organic
68	555100	6698500	Flat	Grey-Cream	silt-clay	B-C	25	Poor-moderate	
69	555100	6698475	Flat	Grey-Cream	silt-clay	B-C	25	Poor-moderate	
70	555100	6698450	Flat	Grey-Cream	silt-clay	B-C	25	Poor-moderate	
71	555100	6698425	Flat	Grey-Cream	silt-clay	B-C	25	Poor-moderate	
72	555000	6698750	Flat	Black	mud	B-C	35	Poor-moderate	organic
73	555000	6698725	Flat	Black	mud	B-C	35	Poor-moderate	organic
74	555000	6698700	Flat	Grey-black	clay-mud	B-C	25	Poor-moderate	mostly organic
75	555000	6698675	Flat	Grey-black	clay-mud	B-C	30	Poor-moderate	mostly organic
76	555000	6698650	Flat	Cream-rust	silt-sand	A-B	20	Poor	
77	555000	6698625	Flat	Cream-rust	silt-sand	A-B	20	poor	
78	555000	6698600	Flat	Grey-black	clay-mud	B-C	30	Poor-moderate	mostly organic
79	555000	6698575	Flat	Grey-black	clay-mud	B-C	30	Poor-moderate	mostly organic
80	555000	6698550	Flat	Black	mud	B-C	35	Poor-moderate	Organic
81	555000	6698525	Flat	Black	mud	B-C	35	Poor-moderate	Organic
82	555000	6698500	Flat	Black	mud	B-C	35	Poor-moderate	Organic
83	555000	6698475	Flat	Grey-Cream	clay-silt	C	40	Moderate	



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This copy reported on  
30-OCT-2015  
Account: YUKIN

## CERTIFICATE WH15154869

This report is for 86 Soil samples submitted to our lab in Whitehorse, YT, Canada on 9-OCT-2015.

The following have access to data associated with this certificate:

KEVIN BREWER

### SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

### ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AU-TL43	Trace Level Au - 25g AR	ICP-MS
AU-AROR43	Au AR Overrange - 25g	ICP-MS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: 39627 YUKON INC  
ATTN: KEVIN BREWER  
6 CARNELIAN COURT  
WHITEHORSE YT Y1A 6A3

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt.	ME-ICP41 Ag ppm 0.02	ME-ICP41 Al % 0.2	ME-ICP41 As ppm 0.01	ME-ICP41 B ppm 2	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
J1		0.21	<0.2	0.78	3	<10	130	<0.5	<2	0.54	<0.5	11	94	9	1.58	<10
J2		0.24	<0.2	1.99	9	<10	340	0.5	2	0.86	<0.5	26	153	46	3.77	10
J3		0.20	<0.2	1.55	6	<10	220	<0.5	<2	1.24	<0.5	19	132	39	3.04	<10
J4		0.19	<0.2	1.50	6	<10	190	<0.5	<2	1.06	<0.5	21	136	47	2.60	<10
J5		0.18	<0.2	1.53	3	<10	180	<0.5	<2	1.17	<0.5	20	128	40	2.30	10
J6		0.12	<0.2	1.44	6	<10	170	<0.5	<2	1.25	<0.5	17	123	46	2.56	<10
J7		0.19	<0.2	1.48	6	<10	200	<0.5	<2	1.27	<0.5	15	94	50	2.48	<10
J8		0.10	<0.2	1.35	4	<10	190	<0.5	<2	1.50	<0.5	14	99	52	2.17	<10
J9		0.23	<0.2	1.23	6	<10	220	<0.5	<2	0.82	<0.5	11	72	28	2.04	<10
J10		0.19	<0.2	1.04	5	<10	200	<0.5	<2	1.08	<0.5	9	56	23	1.71	<10
J11		0.23	<0.2	1.30	6	<10	230	<0.5	<2	1.01	<0.5	12	78	38	2.28	<10
J12		0.18	0.3	1.09	9	<10	250	<0.5	<2	3.49	0.6	12	79	92	1.82	<10
J13		0.07	<0.2	1.26	6	<10	200	<0.5	<2	2.29	<0.5	12	93	70	2.03	<10
J14		0.10	<0.2	1.58	4	<10	180	<0.5	<2	1.51	<0.5	17	125	53	2.87	10
J15		0.13	<0.2	1.54	3	<10	150	<0.5	<2	1.27	<0.5	15	131	46	2.34	10
J16		0.27	<0.2	1.90	8	<10	220	<0.5	<2	1.13	<0.5	22	143	52	3.35	10
J17		0.14	<0.2	0.75	5	<10	90	<0.5	<2	0.49	<0.5	5	41	15	1.58	<10
J18		0.06	<0.2	0.47	<2	<10	140	<0.5	<2	2.25	<0.5	5	28	24	0.81	<10
J19		0.16	<0.2	1.61	9	<10	220	<0.5	<2	0.88	<0.5	19	136	44	3.17	<10
J20		0.10	<0.2	0.91	4	<10	230	<0.5	<2	0.84	<0.5	10	92	21	1.84	<10
J21		0.12	<0.2	0.94	3	<10	140	<0.5	<2	0.71	<0.5	12	97	19	1.94	<10
J22		0.17	<0.2	0.87	4	<10	140	<0.5	<2	0.86	<0.5	11	89	22	1.76	<10
J23		0.27	<0.2	0.98	5	<10	130	<0.5	<2	0.65	<0.5	12	97	20	1.97	<10
J24		0.26	<0.2	0.82	3	<10	120	<0.5	<2	0.62	<0.5	13	94	13	1.72	<10
J25		0.09	<0.2	0.91	4	<10	160	<0.5	<2	1.26	<0.5	11	82	22	1.76	<10
J26		0.05	<0.2	0.52	<2	<10	140	<0.5	<2	2.41	<0.5	4	34	16	0.77	<10
J27		0.13	<0.2	0.96	4	<10	180	<0.5	<2	0.82	<0.5	10	80	25	1.76	<10
J28		0.27	<0.2	0.88	4	<10	130	<0.5	<2	0.51	<0.5	11	89	14	1.84	<10
J29		0.18	<0.2	0.96	4	<10	150	<0.5	<2	0.70	<0.5	9	83	17	1.67	<10
J30		0.15	<0.2	1.21	5	<10	200	<0.5	<2	0.61	<0.5	13	86	18	2.23	<10
J31		0.15	<0.2	0.61	5	<10	100	<0.5	<2	0.60	<0.5	5	34	14	1.28	<10
J32		0.20	<0.2	0.73	3	<10	150	<0.5	<2	0.55	<0.5	6	48	16	1.35	<10
J33		0.12	<0.2	0.87	5	<10	150	<0.5	<2	0.67	<0.5	8	61	21	1.70	<10
J34		0.14	<0.2	1.04	6	<10	160	<0.5	<2	0.76	<0.5	11	95	26	2.08	<10
J35		0.10	<0.2	0.96	4	<10	170	<0.5	<2	0.59	<0.5	10	91	15	1.74	<10
J36		0.14	<0.2	0.68	4	<10	90	<0.5	<2	0.58	<0.5	10	103	15	1.77	<10
J37		0.24	<0.2	0.93	5	<10	150	<0.5	<2	0.70	<0.5	9	92	19	1.81	<10
J38		0.24	<0.2	0.71	4	<10	100	<0.5	<2	0.74	<0.5	9	85	13	1.49	<10
J39		0.18	<0.2	0.75	4	<10	150	<0.5	2	1.04	<0.5	9	89	12	1.54	<10
J40		0.13	<0.2	0.85	2	<10	160	<0.5	<2	0.76	<0.5	8	93	14	1.67	<10

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## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
J1		<1	0.03	10	1.58	266	<1	0.02	114	540	4	<0.01	<2	3	23	<20
J2		<1	0.08	10	2.26	2110	2	0.03	270	720	7	<0.01	<2	8	49	<20
J3		<1	0.08	10	1.58	735	1	0.03	175	800	6	0.06	<2	7	74	<20
J4		1	0.07	10	1.56	381	1	0.03	186	730	5	0.05	2	7	65	<20
J5		<1	0.06	10	1.42	233	1	0.03	161	750	5	0.09	2	6	75	<20
J6		<1	0.06	10	1.55	334	<1	0.03	165	740	5	0.14	2	6	82	<20
J7		1	0.09	10	1.27	455	1	0.04	132	780	6	0.03	2	6	80	<20
J8		<1	0.06	10	1.27	274	1	0.04	146	730	5	0.11	2	5	95	<20
J9		<1	0.10	10	1.06	239	5	0.03	86	520	6	0.04	2	5	44	<20
J10		<1	0.09	10	0.87	212	2	0.03	59	630	5	0.01	<2	4	48	<20
J11		<1	0.10	10	1.11	415	3	0.03	99	420	6	0.02	2	5	50	<20
J12		<1	0.07	20	1.13	584	2	0.03	130	960	6	0.14	2	4	184	<20
J13		1	0.05	10	1.32	470	1	0.03	154	760	5	0.15	3	4	135	<20
J14		1	0.07	10	1.77	503	1	0.03	184	680	5	0.05	2	6	107	<20
J15		<1	0.07	10	1.73	414	<1	0.03	163	720	6	0.06	3	6	96	<20
J16		1	0.09	10	1.95	1065	1	0.03	220	530	6	0.01	3	7	94	<20
J17		<1	0.05	10	0.53	225	<1	0.03	46	690	3	<0.01	<2	3	33	<20
J18		<1	0.02	10	0.46	506	<1	0.04	88	600	2	0.14	<2	1	136	<20
J19		<1	0.09	10	1.73	1285	1	0.03	174	790	7	0.01	2	7	64	<20
J20		<1	0.04	10	1.25	218	<1	0.02	124	400	4	0.01	3	3	48	<20
J21		<1	0.04	10	1.47	263	<1	0.03	135	440	2	<0.01	<2	4	30	<20
J22		<1	0.04	10	1.34	280	<1	0.03	130	620	4	<0.01	2	4	36	<20
J23		<1	0.05	10	1.42	264	<1	0.03	132	590	4	<0.01	<2	4	29	<20
J24		1	0.03	10	1.41	261	<1	0.02	127	600	3	<0.01	2	3	26	<20
J25		1	0.04	10	1.24	333	<1	0.03	106	690	4	0.02	<2	3	49	<20
J26		<1	0.03	10	0.58	177	<1	0.03	47	660	2	0.07	<2	1	84	<20
J27		<1	0.03	10	0.98	296	<1	0.02	107	420	4	0.01	<2	3	33	<20
J28		1	0.04	10	1.37	256	<1	0.02	116	460	4	<0.01	2	3	24	<20
J29		1	0.03	10	1.16	218	<1	0.02	94	690	3	<0.01	<2	3	31	<20
J30		<1	0.10	10	1.04	378	1	0.02	106	420	6	<0.01	2	4	26	<20
J31		<1	0.04	10	0.53	198	<1	0.02	39	480	3	<0.01	<2	3	23	<20
J32		<1	0.05	10	0.61	142	1	0.02	58	550	3	0.01	<2	3	27	<20
J33		1	0.05	10	0.78	219	<1	0.03	72	630	5	0.04	<2	3	33	<20
J34		<1	0.05	10	1.33	300	<1	0.03	125	530	4	<0.01	2	4	33	<20
J35		<1	0.04	10	1.08	263	<1	0.01	99	320	5	0.01	<2	3	26	<20
J36		1	0.03	10	1.61	224	<1	0.01	135	620	4	0.01	<2	3	24	<20
J37		<1	0.03	10	1.36	242	<1	0.01	118	580	2	0.01	<2	4	28	<20
J38		<1	0.03	10	1.45	240	<1	0.01	120	560	2	<0.01	<2	3	27	<20
J39		<1	0.03	10	1.25	254	<1	0.01	98	460	4	0.01	<2	3	32	<20
J40		<1	0.03	10	1.17	244	<1	0.02	107	500	2	0.01	<2	3	32	<20

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Finalized Date: 25-OCT-2015

Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Ti ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Au-TL43 Au ppm 0.001	Au-AROR43 Au ppm 0.01
J1		0.07	<10	<10	36	<10	24	0.001	
J2		0.11	<10	<10	73	<10	63	0.004	
J3		0.10	<10	<10	59	<10	68	0.004	
J4		0.11	<10	<10	63	<10	58	0.003	
J5		0.10	<10	<10	55	<10	56	0.003	
J6		0.10	<10	<10	53	<10	55	0.003	
J7		0.10	<10	<10	54	<10	54	0.003	
J8		0.08	<10	<10	47	<10	48	0.004	
J9		0.08	<10	<10	49	<10	41	0.003	
J10		0.08	<10	<10	43	<10	37	0.002	
J11		0.09	<10	<10	51	<10	40	0.002	
J12		0.06	<10	<10	39	<10	45	0.004	
J13		0.06	<10	<10	37	<10	44	0.004	
J14		0.09	<10	<10	55	<10	57	0.003	
J15		0.10	<10	<10	55	<10	58	0.023	
J16		0.11	<10	<10	67	<10	63	0.003	
J17		0.07	<10	<10	37	<10	28	0.005	
J18		0.03	<10	<10	17	<10	17	0.001	
J19		0.10	<10	<10	62	<10	70	0.004	
J20		0.07	<10	<10	41	<10	23	0.003	
J21		0.07	<10	<10	43	<10	30	0.002	
J22		0.08	<10	<10	40	<10	29	0.003	
J23		0.09	<10	<10	44	<10	32	0.002	
J24		0.08	<10	<10	41	<10	26	0.002	
J25		0.07	<10	<10	40	<10	33	0.002	
J26		0.03	<10	<10	18	<10	18	0.001	
J27		0.06	<10	<10	40	<10	30	0.002	
J28		0.07	<10	<10	41	<10	26	0.003	
J29		0.07	<10	<10	39	<10	29	0.002	
J30		0.09	<10	<10	48	<10	36	0.002	
J31		0.05	<10	<10	32	<10	21	0.001	
J32		0.06	<10	<10	35	<10	24	0.002	
J33		0.07	<10	<10	38	<10	33	0.004	
J34		0.09	<10	<10	46	<10	32	0.003	
J35		0.07	<10	<10	42	<10	24	0.001	
J36		0.07	<10	<10	39	<10	23	0.002	
J37		0.08	<10	<10	42	<10	26	0.002	
J38		0.07	<10	<10	34	<10	22	0.002	
J39		0.06	<10	<10	33	<10	20	0.002	
J40		0.06	<10	<10	38	<10	21	0.002	

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Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
J41		0.19	<0.2	0.86	5	<10	130	<0.5	<2	0.42	<0.5	11	93	9	1.71	<10
J42		0.17	<0.2	1.34	4	10	140	<0.5	<2	1.30	<0.5	16	144	44	2.55	<10
J43		0.11	<0.2	1.39	3	10	140	<0.5	<2	1.59	<0.5	16	150	54	2.57	<10
J44		0.10	<0.2	1.27	5	10	140	<0.5	2	1.44	<0.5	14	140	47	2.39	<10
J45		0.25	<0.2	1.36	8	<10	150	<0.5	<2	0.94	<0.5	20	145	36	2.90	<10
J46		0.15	<0.2	1.22	5	<10	130	<0.5	<2	1.19	<0.5	21	152	37	2.63	<10
J47		0.19	<0.2	1.19	4	<10	140	<0.5	2	0.89	<0.5	14	129	37	2.35	<10
J48		0.20	<0.2	1.40	4	<10	170	<0.5	2	1.07	<0.5	24	141	39	2.82	<10
J49		0.12	<0.2	1.17	4	<10	130	<0.5	<2	1.15	<0.5	13	115	27	2.16	<10
J50		0.15	<0.2	2.02	5	<10	290	0.5	2	0.56	0.5	21	135	24	3.27	10
J51		0.09	<0.2	1.56	3	<10	250	<0.5	<2	0.30	<0.5	11	59	8	2.49	10
J52		0.27	<0.2	1.57	4	<10	320	<0.5	3	0.41	<0.5	12	69	10	2.45	10
J53		0.17	<0.2	1.96	5	<10	480	0.5	<2	0.48	<0.5	23	142	19	3.18	10
J54		0.10	<0.2	1.90	7	<10	340	<0.5	<2	0.35	<0.5	27	169	19	3.33	<10
J55		0.09	<0.2	0.99	2	<10	220	<0.5	<2	0.27	<0.5	9	41	9	1.56	<10
J56		0.23	<0.2	1.42	6	<10	230	<0.5	<2	1.04	<0.5	15	103	41	2.44	<10
J57		0.15	<0.2	1.38	5	10	210	<0.5	<2	1.27	<0.5	20	122	37	2.53	<10
J58		0.19	<0.2	1.37	9	<10	150	<0.5	<2	0.92	<0.5	17	134	29	2.81	<10
J59		0.17	<0.2	1.50	6	10	160	<0.5	<2	1.27	<0.5	19	133	44	2.75	<10
J60		0.12	<0.2	1.46	5	<10	150	<0.5	3	1.02	<0.5	16	127	37	2.60	<10
J61		0.16	<0.2	1.58	8	<10	210	<0.5	<2	1.01	0.7	15	120	54	2.74	<10
J62		0.14	<0.2	1.55	6	<10	150	<0.5	<2	0.71	<0.5	11	94	18	2.67	10
J63		0.15	<0.2	1.58	6	<10	240	<0.5	<2	0.66	<0.5	12	81	16	2.66	<10
J64		0.12	<0.2	1.16	3	<10	160	<0.5	<2	0.56	<0.5	7	54	23	1.93	<10
J65		0.11	<0.2	0.92	2	10	160	<0.5	<2	1.29	<0.5	8	61	26	1.29	<10
J66		0.23	0.2	1.77	4	10	340	0.5	2	1.26	0.5	11	104	107	2.39	<10
J67		0.28	<0.2	1.69	5	<10	250	<0.5	2	0.92	<0.5	13	107	52	2.54	<10
J68		0.32	<0.2	1.50	7	10	230	<0.5	<2	1.18	<0.5	16	100	34	2.49	<10
J69		0.27	<0.2	0.92	3	<10	170	<0.5	<2	0.92	<0.5	10	67	21	1.69	<10
J70		0.11	<0.2	1.61	7	<10	170	<0.5	2	0.88	<0.5	11	98	20	2.66	10
J71		0.25	<0.2	1.30	7	<10	190	<0.5	<2	0.80	<0.5	13	96	33	2.27	<10
J72		0.12	<0.2	1.41	10	<10	250	<0.5	<2	1.33	<0.5	11	71	36	2.14	<10
J73		0.03	<0.2	0.25	4	20	230	<0.5	<2	3.46	0.5	2	10	54	0.35	<10
J74		0.05	<0.2	0.64	7	10	230	<0.5	<2	2.31	<0.5	10	48	53	1.28	<10
J75		0.04	<0.2	0.99	9	<10	290	<0.5	<2	2.78	<0.5	8	64	59	1.38	<10
J76		0.10	<0.2	0.94	4	<10	150	<0.5	<2	0.88	<0.5	10	71	21	1.82	<10
J77		0.04	<0.2	0.60	4	<10	190	<0.5	<2	1.40	<0.5	4	35	20	1.07	<10
J78		0.09	<0.2	3.78	6	<10	250	<0.5	<2	1.66	<0.5	27	58	25	4.96	10
J79		0.06	<0.2	0.62	3	<10	190	<0.5	<2	1.56	0.6	4	23	16	0.77	<10
J80		0.09	<0.2	1.08	3	<10	290	<0.5	<2	0.92	0.5	5	38	32	1.27	<10

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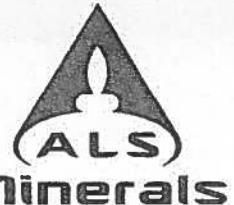
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## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	ME-ICP41														
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
J41		<1	0.04	10	1.36	271	<1	0.01	107	310	3	<0.01	<2	3	19	<20
J42		1	0.05	10	1.92	330	<1	0.01	175	740	5	0.05	<2	6	83	<20
J43		<1	0.05	10	1.78	336	<1	0.02	214	800	4	0.08	<2	6	88	<20
J44		<1	0.04	10	1.71	241	<1	0.01	186	740	5	0.07	<2	6	79	<20
J45		<1	0.06	10	2.04	560	<1	0.02	184	750	5	0.02	<2	6	50	<20
J46		1	0.04	10	3.10	369	<1	0.01	289	770	4	0.05	<2	5	58	<20
J47		<1	0.04	10	1.93	298	<1	0.02	181	730	4	0.02	<2	5	45	<20
J48		1	0.07	10	2.14	655	<1	0.02	243	740	5	0.03	<2	6	55	<20
J49		<1	0.05	10	1.69	301	<1	0.02	158	780	4	0.07	<2	4	57	<20
J50		<1	0.09	10	1.14	656	1	0.01	144	550	7	0.01	<2	5	34	<20
J51		<1	0.04	10	0.42	355	<1	<0.01	48	440	7	0.01	<2	2	17	<20
J52		<1	0.05	10	0.54	606	<1	0.01	62	420	5	<0.01	<2	3	24	<20
J53		<1	0.07	10	1.34	709	1	0.01	155	650	8	<0.01	<2	5	26	<20
J54		<1	0.08	10	2.81	435	<1	0.01	316	410	6	<0.01	<2	5	20	<20
J55		<1	0.05	<10	0.24	707	<1	0.01	28	250	4	0.01	<2	2	16	<20
J56		<1	0.08	10	1.25	288	<1	0.02	151	770	7	0.05	<2	6	54	<20
J57		<1	0.06	10	1.40	526	<1	0.02	166	810	5	0.10	<2	6	68	<20
J58		<1	0.05	10	1.64	388	<1	0.02	152	800	5	0.02	<2	6	54	<20
J59		<1	0.07	10	2.09	580	<1	0.02	208	920	5	0.05	<2	5	70	<20
J60		<1	0.07	10	1.93	409	<1	0.02	178	850	6	0.03	<2	5	58	<20
J61		<1	0.08	10	1.08	629	<1	0.01	196	1110	5	0.06	<2	3	56	<20
J62		1	0.07	10	0.86	374	1	0.01	113	660	6	0.03	<2	3	39	<20
J63		<1	0.06	10	0.66	523	1	0.01	72	620	6	0.03	<2	3	35	<20
J64		<1	0.06	10	0.46	368	<1	0.01	70	480	5	0.01	<2	2	30	<20
J65		<1	0.03	10	0.80	213	<1	0.03	138	880	3	0.14	<2	2	55	<20
J66		<1	0.08	10	1.17	202	<1	0.02	250	820	7	0.10	2	8	59	<20
J67		<1	0.08	10	1.28	280	<1	0.02	154	820	7	0.02	<2	7	46	<20
J68		<1	0.09	10	1.39	820	<1	0.02	150	850	6	0.05	<2	5	63	<20
J69		<1	0.06	10	1.00	315	<1	0.02	62	710	4	0.02	<2	4	36	<20
J70		<1	0.10	10	1.12	347	1	0.01	94	560	7	0.03	<2	4	38	<20
J71		1	0.06	10	1.31	351	1	0.03	140	900	8	0.02	<2	5	40	<20
J72		<1	0.10	10	1.02	404	2	0.03	119	690	6	0.07	<2	4	60	<20
J73		1	0.01	<10	0.40	57	3	0.02	72	820	<2	0.57	<2	<1	120	<20
J74		1	0.04	10	0.79	218	2	0.03	183	840	2	0.31	<2	2	83	<20
J75		1	0.04	10	0.80	116	2	0.03	228	820	4	0.41	<2	3	107	<20
J76		<1	0.05	10	0.93	185	1	0.02	96	640	5	0.08	<2	4	40	<20
J77		<1	0.03	10	0.46	85	1	0.04	67	650	3	0.21	<2	2	54	<20
J78		<1	0.10	10	2.81	310	1	0.26	129	350	3	0.02	<2	9	145	<20
J79		<1	0.02	<10	0.27	233	1	0.04	22	580	2	0.08	<2	<1	63	<20
J80		<1	0.02	10	0.29	198	1	0.02	41	540	5	0.04	<2	1	42	<20

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## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-TL43	Au-AROR43
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm	Au ppm
J41		0.07	<10	<10	38	<10	23	0.001	
J42		0.08	<10	<10	53	<10	58	0.003	
J43		0.08	<10	<10	54	<10	61	0.004	
J44		0.08	<10	<10	54	<10	49	0.003	
J45		0.10	<10	<10	61	<10	48	0.003	
J46		0.08	<10	<10	53	<10	44	0.002	
J47		0.09	<10	<10	51	<10	41	0.002	
J48		0.10	<10	<10	57	<10	55	0.003	
J49		0.08	<10	<10	45	<10	45	0.002	
J50		0.11	<10	<10	68	<10	100	0.001	
J51		0.11	<10	<10	58	<10	117	<0.001	
J52		0.11	<10	<10	59	<10	88	0.001	
J53		0.10	<10	<10	67	<10	92	0.006	
J54		0.09	<10	<10	61	<10	47	0.001	
J55		0.07	<10	<10	36	<10	50	0.001	
J56		0.11	<10	<10	59	<10	58	0.003	
J57		0.09	<10	<10	55	<10	63	0.003	
J58		0.10	<10	<10	58	<10	47	0.003	
J59		0.08	<10	<10	57	<10	57	0.002	
J60		0.09	<10	<10	57	<10	52	0.002	
J61		0.07	<10	<10	60	<10	98	0.002	
J62		0.10	<10	<10	62	<10	85	0.001	
J63		0.09	<10	<10	60	<10	88	0.001	
J64		0.09	<10	<10	42	<10	100	<0.001	
J65		0.05	<10	<10	30	<10	32	0.002	
J66		0.11	<10	<10	54	<10	51	0.006	
J67		0.13	<10	<10	62	<10	50	0.004	
J68		0.10	<10	<10	56	<10	60	0.002	
J69		0.09	<10	<10	44	<10	40	0.004	
J70		0.12	<10	<10	59	<10	117	<0.001	
J71		0.08	<10	<10	49	<10	52	0.002	
J72		0.08	<10	<10	47	<10	74	0.001	
J73		0.01	<10	<10	15	<10	87	<0.001	
J74		0.04	<10	<10	34	<10	30	0.002	
J75		0.04	<10	<10	39	<10	35	0.002	
J76		0.06	<10	<10	37	<10	37	0.002	
J77		0.03	<10	<10	25	<10	23	<0.001	
J78		0.32	<10	<10	124	<10	66	0.001	
J79		0.02	<10	<10	19	<10	23	<0.001	
J80		0.05	<10	<10	32	<10	44	<0.001	

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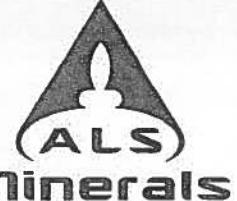
Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
J81		0.11	<0.2	0.70	6	<10	240	<0.5	<2	1.69	<0.5	6	51	29	1.23	<10
J82		0.19	<0.2	1.73	4	<10	420	<0.5	<2	0.39	<0.5	15	75	15	2.50	10
J83		0.14	<0.2	0.59	4	<10	160	<0.5	<2	0.81	<0.5	4	34	30	0.90	<10
JC1		0.74	<0.2	0.86	5	<10	70	<0.5	<2	0.78	<0.5	14	229	15	3.09	<10
JC2		0.98	<0.2	0.86	3	<10	80	<0.5	<2	0.72	<0.5	13	210	11	3.29	<10
JC3		0.83	<0.2	0.90	4	<10	80	<0.5	<2	0.77	<0.5	14	202	13	2.31	<10

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To: 39627 YUKON INC  
6 CARNELIAN COURT  
WHITEHORSE YT Y1A 6A3

Page: 4 - B

Total # Pages: 4 (A - C)

Plus Appendix Pages

Finalized Date: 25-OCT-2015

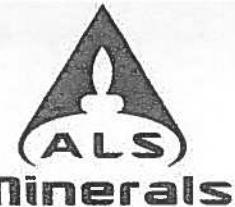
Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method Analyte Units LOR	ME-ICP41														
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
JB1		<1	0.03	10	0.60	214	1	0.02	53	690	3	0.08	<2	2	62	<20
JB2		<1	0.05	10	0.58	1100	2	0.02	74	310	7	0.01	<2	4	21	<20
JB3		<1	0.04	10	0.48	103	1	0.02	38	540	3	0.03	<2	2	32	<20
JC1		<1	0.03	10	2.66	264	1	0.02	229	500	3	0.01	<2	4	24	<20
JC2		<1	0.03	10	2.29	255	1	0.02	193	530	2	0.01	<2	3	22	<20
JC3		<1	0.03	10	2.40	262	1	0.02	214	420	3	0.01	<2	4	28	<20

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





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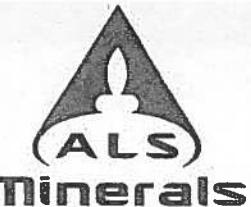
Account: YUKIN

## CERTIFICATE OF ANALYSIS WH15154869

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-TL43	Au-AROR43
	Analyte	Ti	Tl	U	V	W	Zn	Au	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2	0.001	0.01
J81		0.03	<10	<10	28	<10	20	0.002	
J82		0.08	<10	<10	62	<10	86	0.003	
J83		0.05	<10	<10	25	<10	20	0.001	
JC1		0.11	<10	<10	75	<10	32	>1.00	1.58
JC2		0.11	<10	<10	86	<10	29	0.130	
JC3		0.10	<10	<10	56	<10	30	0.095	

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





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To: 39627 YUKON INC  
6 CARNELIAN COURT  
WHITEHORSE YT Y1A 6A3

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 25-OCT-2015  
Account: YUKIN

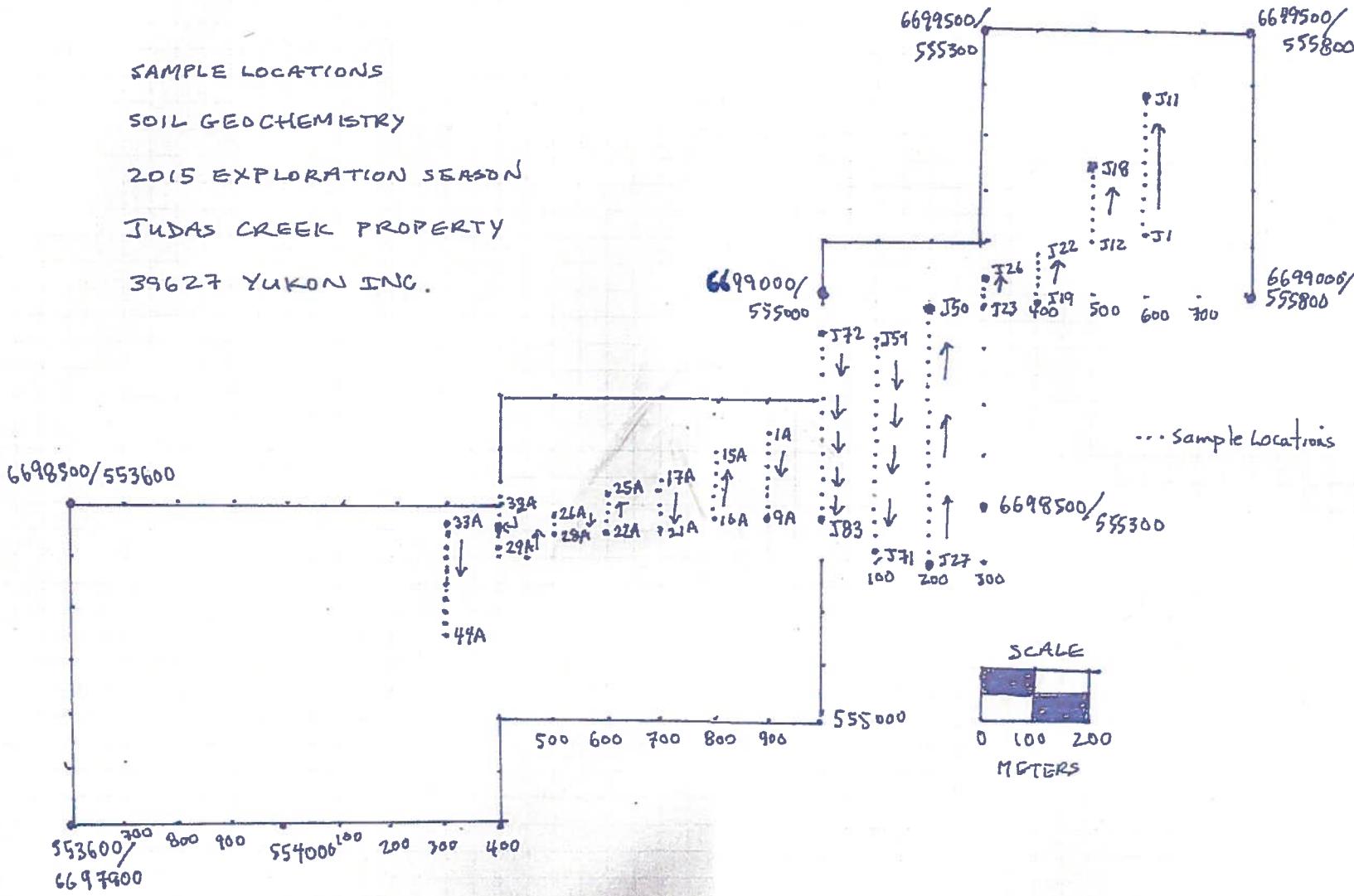
**CERTIFICATE OF ANALYSIS WH15154869**

**CERTIFICATE COMMENTS**

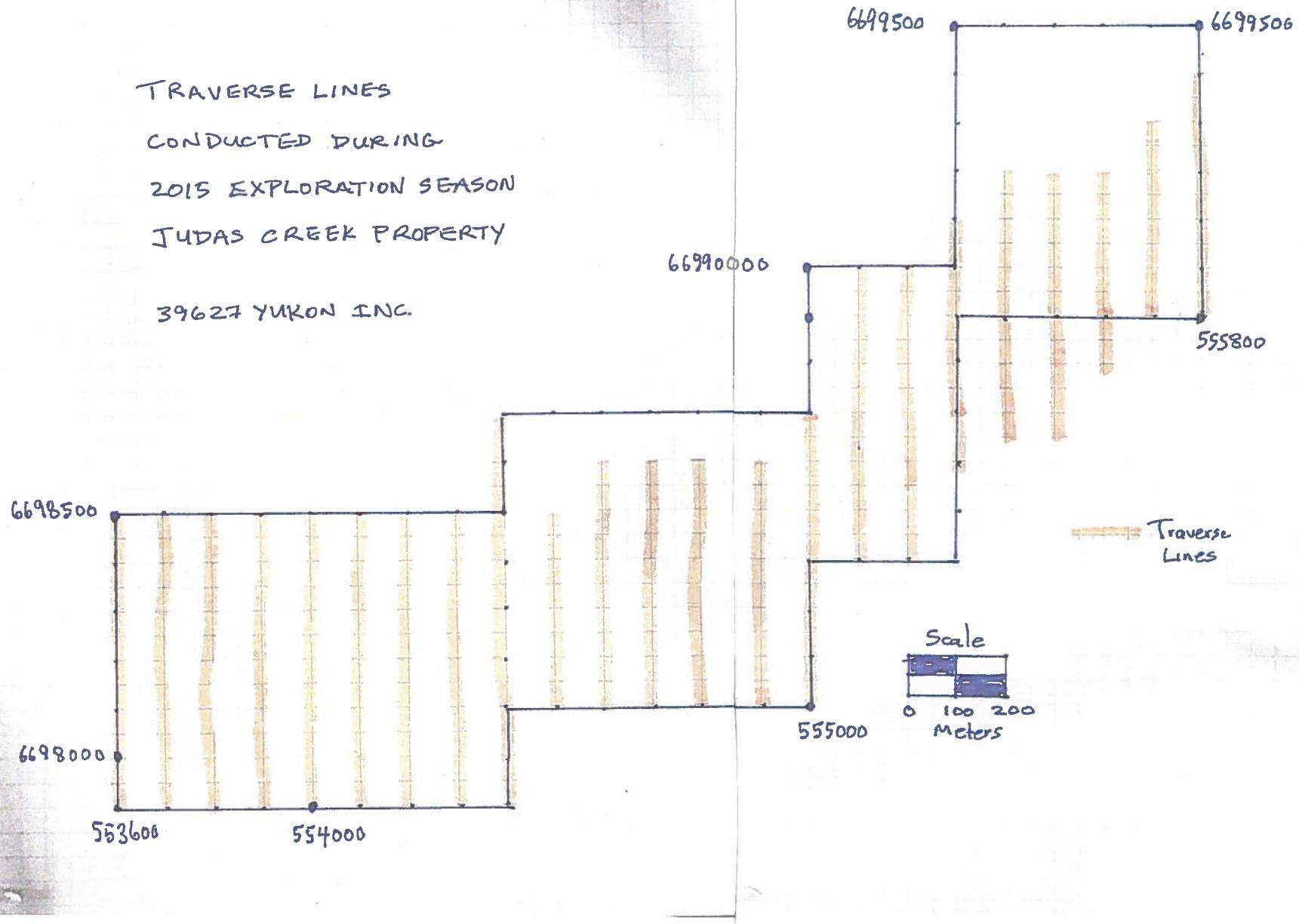
**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	LOG-22	SCR-41	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AROR43	Au-TL43	ME-ICP41

SAMPLE LOCATIONS  
SOIL GEOCHEMISTRY  
2015 EXPLORATION SEASON  
JUDAS CREEK PROPERTY  
39627 YUKON INC.



TRAVERSE LINES  
CONDUCTED DURING  
2015 EXPLORATION SEASON  
JUDAS CREEK PROPERTY  
39627 YUKON INC.



## UTM Raw Data

Judas Creek

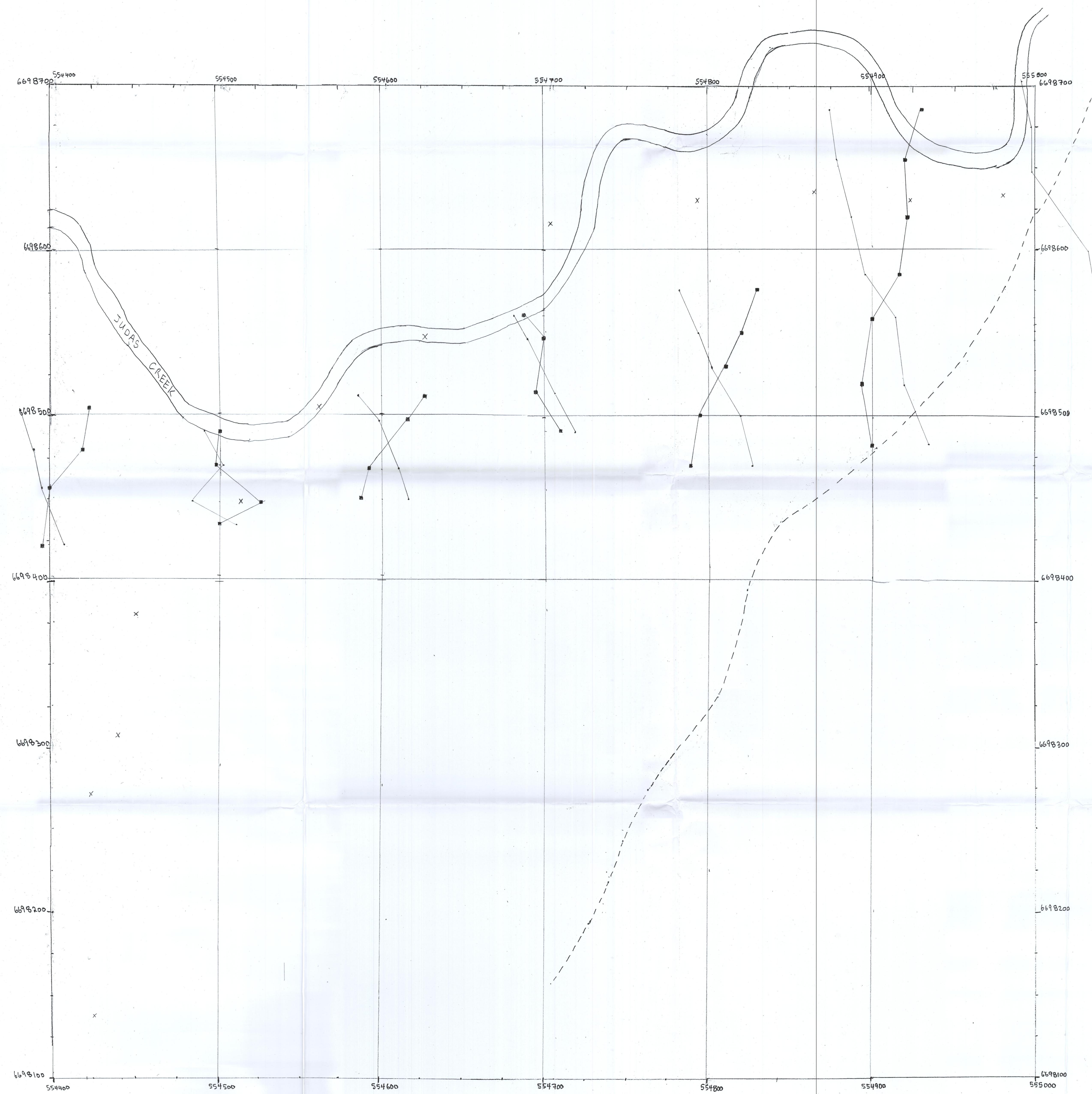
<i>Location</i>	<i>Terrain</i>	<i>Quad</i>	<i>Sec</i>	<i>IP</i>
<i>Easting</i>	<i>Northing</i>			
555600	6699450 marshy		10	104 -25
555600	6699410 marshy		12	102 -13
555600	6699350 marshy		6	100 -8
555600	6699285 flat		4	101 0
555600	6699250 marshy		0	102 16
555600	6699190 marshy		-13	100.25 30
555600	6699150 flat		-20	102 -28
555600	6699125 flat		-22	104 -30
555500	6699280 flat		14	103 12
555500	6699250 flat		13	102 6
555500	6699225 marshy		9	104 36
555500	6699190 marshy		-5	100.5 11
555500	6699150 marshy		-12	100.25 -15
555500	6699125 marshy		-11	101 -5
555500	6699090 flat		-17	103 -9
555400	6699050 marshy		4	100 25
555400	6699015 marshy		-12	102 -22
555400	6698975 marshy		-16	103 -25
555400	6698950 flat		-8	103 -35
555300	6699075 flat		12	104 -60
555300	6699050 flat		-7	103 -25
555300	6699025 marshy		-4	100.5 -10
555300	6698930 flat		20	101 38
555300	6698910 flat		0	101.5 19
555200	6698410 flat		-14	100.25 5
555200	6698450 flat		-23	102 -10

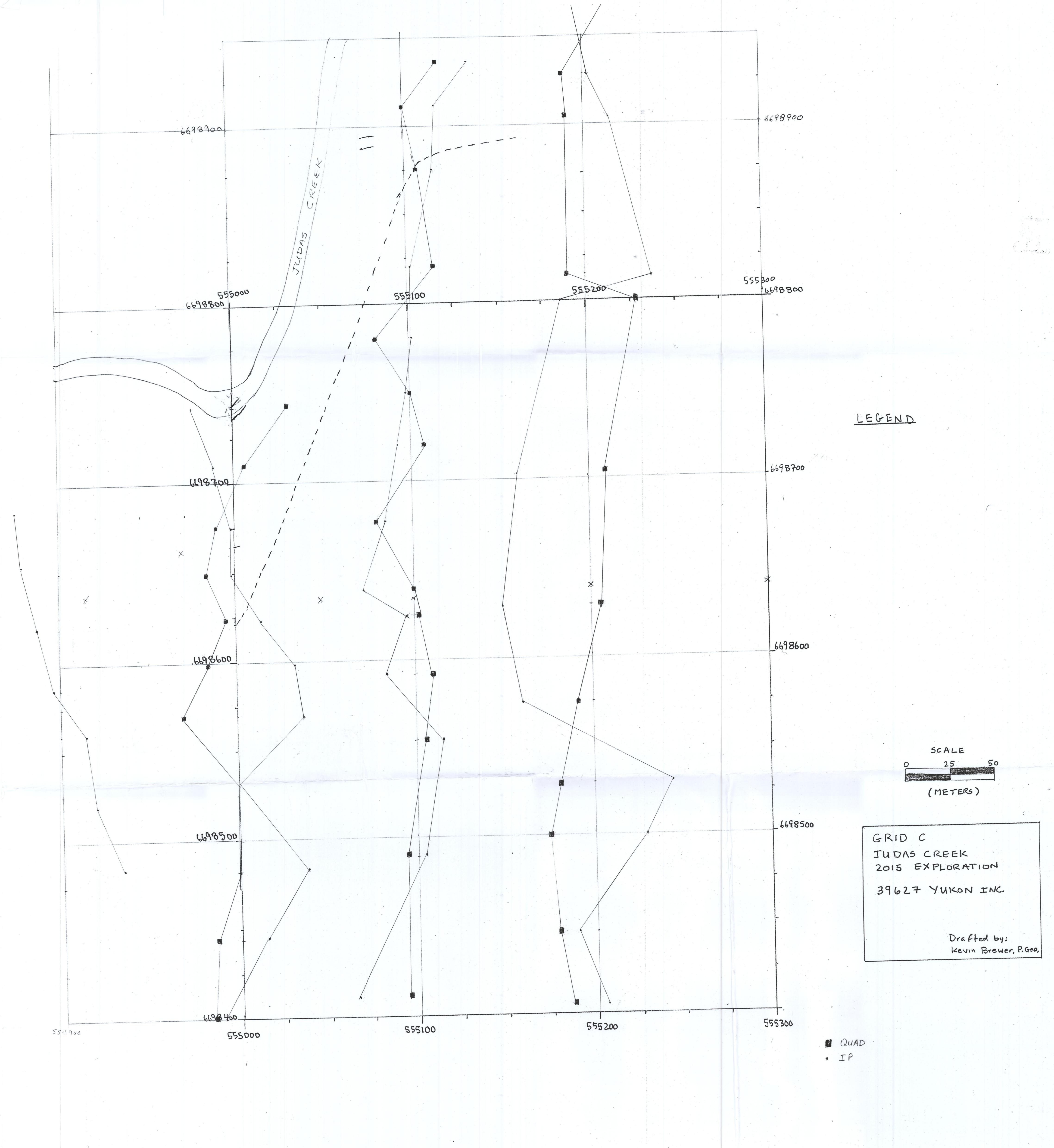
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555200	6698525 marshy	-18	104	45
555200	6698575 marshy	-8	102	-42
555200	6698625 marshy	6	104	-52
555200	6698705 marshy	8	104	-45
555200	6698810 marshy	35	102	-18
555200	6698905 marshy	-13	102	45
555200	6698925 flat	-13	101	18
555100	6698930 flat	25	104	48
555100	6698910 flat	0	101	23
555100	6698875 flat	8	100.5	20
555100	6698820 marshy	20	100.25	3
555100	6698775 flat	-25	100.5	2
555100	6698750 flat	0	100	-4
555100	6698725 flat	8	100.5	-9
555100	6698680 flat	-25	102	-18
555100	6698640 marshy	0	102	-35
555100	6698625 flat	4	100.5	-8
555100	6698590 flat	12	101	-21
555100	6698550 flat	7	100.5	16
555100	6698480 marshy	-8	100.5	6
555100	6694410 marshy	-7	103	-45
555000	6698740 flat	30	103	-25
555000	6698710 flat	7	102	-12
555000	6698675 flat	-12	100.5	-2
555000	6698650 flat	-16	100	-2
555000	6698625 flat	-7	100.5	15
555000	6698600 flat	-16	102	33
555000	6698565 marshy	-32	103	38
555000	6698535 marshy	0	100	0
555000	6698480 marshy	0	102	40
555000	6698440 marshy	-13	100.5	15

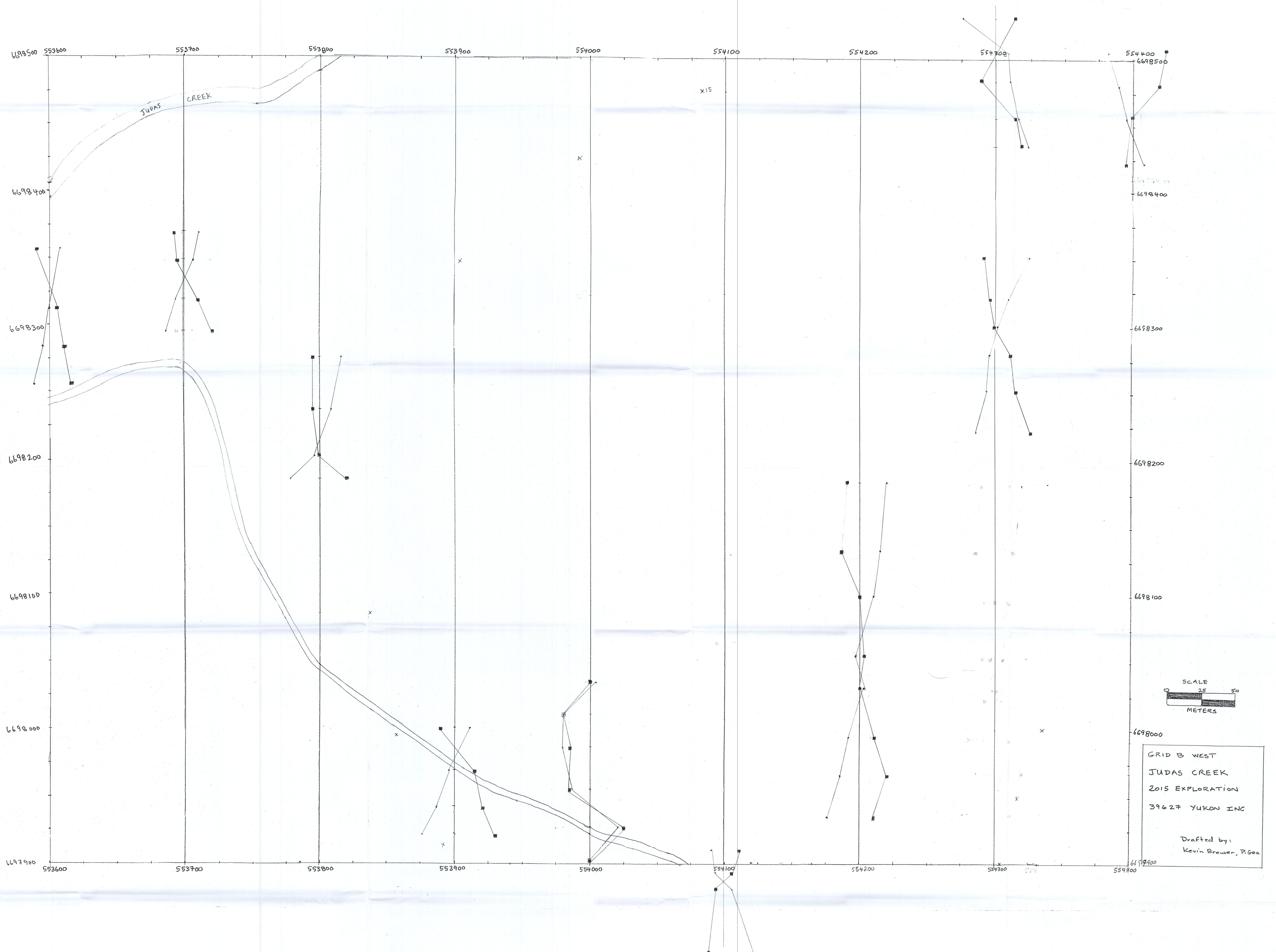
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554900	6698650 Flat	20	103	-21
554900	6698625 Flat	22	101	-12
554900	6698589 Flat	17	100.5	-4
554900	6698550 Flat	0	100.5	14
554900	6698515 Flat	-7	100.25	19
554900	6698485 Flat	0	102	35
554800	6698580 Flat	30	102	-17
554800	6698550 Flat	20	101	-7
554800	6698525 Flat	11	100.25	2
554800	6698500 Flat	-7	100.5	20
554800	6698475 Flat	-12	102	28
554700	6698560 Flat	-12	102	-18
554700	6698550	0	100.5	-11
554700	6698515 Flat	-6	100.25	6
554700	6698490 Flat	10	101	18
554600	6698450 Flat	-13	102	17
554600	6698475 Flat	-8	100.25	10
554600	6698490 Flat	17	100.25	-3
554600	6698515 Flat	28	102	-14
554500	6698510 Flat	23	102	-18
554500	6698475 Flat	20	101	-10
554500	6698450 Flat	0	100.5	-7
554500	6698435 Flat	-4	100.25	8
554400	6698420 Flat	-4	100.25	9
554400	6698455 Flat	0	100	-6
554400	6698475 Flat	20	102	-10

554400	6698510 Flat	23	104	-18
554300	6698525 Flat	15	103	-24
554300	6698480 Flat	-12	102	12
554300	6698450 Flat	14	101.5	17
554300	6698425 Flat	18	101.5	25
554300	6698350 Flat	-8	102	26
554300	6698325 Flat	-4	100.25	9
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554300	6698250 Flat	15	101	-7
554300	6698225 Flat	27	102	-14
554200	6698175 Flat	-8	101.5	19
554200	6698125 Marshy	-13	101	14
554200	6698100 Flat	0	100	9
554200	6698060 Flat	4	100.25	-4
554200	6698020 Flat	0	100.25	4
554200	6698000 Flat	14	100.5	-9
554200	6697975 Flat	25	102	-17
554200	6697950 Marshy	12	103	-30
554100	6697920 Marshy	15	102	-11
554100	6697885 Flat	8	101.5	-8
554100	6697875 Flat	-7	100	9
554100	6697825 Flat	-13	100.5	27
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554000	6697950 Flat	-18	103	-15
554000	6697925 marshy	25	103	20
554000	6697900 marshy	0	100	0

553900	6698000 Flat	-12	102	13
553900	6697975 Marshy	18	101.5	-5
553900	6697950 Marshy	27	102	-16
553900	6697925 Flat	37	103	-29
553800	6698180 marshy	20	103	-22
553800	6698200 marshy	-1	100.5	-4
553800	6698225 flat	-6	100.25	8
553800	6698260 flat	-6	101	16
553700	6698300 flat	25	102	-13
553700	6698325 marshy	10	100	-6
553700	6698350 marshy	-4	100.25	7
553700	6698375 marshy	-7	101	12
553600	6698360 marshy	15	102	-12
553600	6698315 marshy	8	101	-5
553600	6698285 marshy	6	100.5	0
553600	6698260 marshy	-10	100.5	7







# Judas Creek, Yukon Lode Gold Target

