



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: 2019 PROSPECTING AND GEOCHEMICAL ASSESSMENT REPORT ON
THE GOLD KING PROPERTY**

TOTAL COST: \$38,477.52

AUTHOR(S): Lindinger, Leopold

SIGNATURE(S): *Leopold J. Lindinger*

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S) : 5802850 14/MAY/2020

YEAR OF WORK: 2019

PROPERTY NAME: GOLD KING

CLAIM NAME(S) (on which work was completed): MOFFAT 1, 2, GOLD KING

COMMODITIES SOUGHT: GOLD, SILVER, MAGNETITE, COPPER

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: Minfile Nos. 092JNE047, 048, 049,
050, 052, 053, 054, 145, 167, 168

MINING DIVISION: LILLOOET

NTS / BCGS: 092JNE08

LATITUDE: 50° 32'

LONGITUDE: 122° 55' (at centre of work)

UTM Zone: 10U EASTING: 505900 NORTHING: 5597935

OWNER(S): RICHARD J. BILLINGSLEY

MAILING ADDRESS: **11114 147A ST. SURREY, BC, CANADA, V3R 3W2**

OPERATOR(S) : RICHARD J. BILLINGSLEY

MAILING ADDRESS: AS ABOVE

REPORT KEYWORDS Upper Triassic Cadwallader volcanics and sediment host syngenetic zinc enriched and Cretaceous aged gold-zinc-lead copper skarn and shear fracture deposits.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
28607, 30284

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)		ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOCHEMICAL (number of samples analysed for ...)				
	2		1070427, 1070461, 1032197	
pulp	43	30 ha	1070427, 1070461, 1032197	175000
Rock	7	30 ha	1070427, 1060461, 1032197	3477.52
Talus fines		1:5000 30 ha	1070427, 1070461, 1032197	17500
PROSPECTING (scale/area)		1:2500 30 ha	TOTAL COST	38,477.52

PROSPECTING and GEOCHEMICAL ASSESSMENT REPORT

on the

Gold King Property

**LILLOOET MINING DIVISION
BRITISH COLUMBIA, CANADA**

NTS MAP SHEET 092J08, BCGS map sheet 092JNE056

50°32' North Latitude and 122°55' West Longitude

UTM Zone: 10U EASTING: 505900 NORTHING: 5597935

OWNER and OPERATOR:

Richard J. Billingsley,
FMC 139085

Title #s worked on: 1032197, 1070427, 1070461

SOW 5802850
May 14, 2020

Report Date

August 23, 2020
Amended November 18, 2020

Prepared by:

Leopold J. Lindinger, P.Geo

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SUMMARY

The Gold King Property (the “Property”) is owned by Richard J. Billingsley of Surrey, B.C. Leopold J. Lindinger of Renaissance Geoscience Services Inc (RSGI) has prepared this Assessment Report (the “Report”) to provide a summary of scientific and technical data on the Gold King (Au) Property, including historic and recent exploration activities.

This report is based on exploration and property information and from a review of public domain geological and exploration data for the Property (primarily BC Assessment Reports), incorporation of relevant mining and geological literature and data generated by an August 2019 programme consisting of rock and talus fines sampling and prospecting surveys.

The Gold King Property is located approximately 20 KM NNW of Pemberton, British Columbia, Canada, in the Lillooet Mining Division, at 50° 32' N, 122° 55' W (NAD83, UTM Z10, 5597935 N, 505900 E on the southern ½ of BCGS map sheet 092JNE056 . The Property currently consists of 15 MTO mineral claims covering approximately 5287 hectares. It protects the Gold King Minfile Occurrence 092JNE054. Other Minfile occurrences protected by the property include 092JNE047, 048, 049, 050, 052, 053, 145, 167 and 168.

The Town of Pemberton, is the nearest significant population and supply centre. Other close population centres are Lillooet (approximately 90 km east of the Property and Squamish (approximately 100 km south of the Property. The workforce in the area is generally employed by the forestry and tourism industries. A local supply of unskilled labour is readily available. Access to the property is by helicopter based from Pemberton.

A summary of work completed by in previous years on the Property are shown below.

The Gold King Property is located in Coast Mountain Range of British Columbia and covers an extensive felsic volcanic package and numerous known base and precious metal occurrences in an area favourable for the discovery of volcanogenic massive sulfides and contact skarn mineralization.

The property is underlain by two volcano-sedimentary island arc assemblages: one of Triassic Age (Cadwallader Group) and one of Cretaceous age (Gambier Group). The volcano-sedimentary assemblages are intruded by two granitic bodies related to the Coast Plutonic Complex.

The Teck Corp and previous work included geological mapping, underground adits, trenches, soil sampling, airborne geophysics, ground geophysics and diamond drilling.

The 2019 field programme on the Property totalling \$35000 in exploration expenditures, began on August 28, 2019 and was completed on August 31, 2019. The program included approximately 10 square km of prospecting, rock and talus fines sampling. The areas visited were the avalanche in the NW part of the claims and the Gold King are in the south central part of the claims.

The results confirmed the copper discoveries made in the avalanche area but the zinc results intersected in Teck hole 91-05 could not be repeated by up dip surface sampling of the heavily oxidized surface. However weak gold – zinc anomaly is present. Sampling in the Gold King area confirmed the gold = silver – copper – lead – zinc +/- arsenic showing and prospects in the area. Talus fines sampling was

shown to be a useful tool in indicating the prospectivity of up cliff face otherwise not sampleable mineralization. Due to the very prospective nature of the program no significant QA-QC work was completed. From the single standard and blank submitted no significant QA-QC issues were noted.

Exploration and development expenditures are recommended at the Gold King target. A \$100,000 phase 1 multistaged exploration program is proposed. These include completing a combined drone supported magnetic, ground based IP, prospecting and mapping program to the ENE of the area drill tested by holes 2008 01 and 2 for an 800 by 300 metres area characterized by a several hundred metre long gossanous cliff that reports occasional high grade historic gold results and additional sampling of the mineralized cliffs proven to host silver, copper, lead and zinc values. Phase 2 would be a minimum \$100,000 drilling program to test the most prospective targets derived from this work as well as one hole 100 metres east of 2008 holes GK 4-6.

Additional exploration expenditures would be contingent on exploration success.

INTRODUCTION AND TERMS OF REFERENCE

Introduction

This Report is based on public domain geological and exploration data for the Property (primarily BC Assessment Reports), relevant mining and geological literature and data generated by the 2019 field programme consisting of soils, silts and rock sampling and prospecting.

Terminology and Units

The Metric System or SI System is the primary system of measure used in this Report with distance generally expressed in kilometres (km), metres (m) and centimetres (cm), volume expressed as cubic metres (m³), and mass expressed as metric tonnes (t). Conversions from the SI or Metric System to the Imperial System are provided below and quoted where practical. Many of the geologic publications and more recent work assessment files now use the SI system but older work assessment files almost exclusively refer to the Imperial System.

Conversion factors utilized in this report include: 1 troy ounces/ton = 34.29 gram/tonne; 0.029 troy ounces/ton = 1 gram/tonne; 1 troy ounces/ton = 31.1035 gram/ton; 0.032 troy ounces/ton = 1 gram/ton; 1 gram = 0.0322 troy ounces; 1 troy ounce = 31.104 grams; 1 pound = 0.454 kilogram. 1 foot = 0.3048 metres; 1 mile = 1.609 kilometres; 1 acre = 0.405 hectares; and 1 sq. mile = 2.59 square kilometres. The term gram/tonne or g/t is expressed as “gram per tonne” where 1 gram/tonne = 1 ppm (part per million) = 1000 ppb (part per billion). Other abbreviations include ppb = parts per billion; ppm = parts per million; opt or oz/t = ounce per short ton; Moz = million ounces; Mt = million tonne; t = tonne (1000 kilograms); SG = specific gravity.

Dollars are expressed in Canadian Dollar currency (CAD\$) unless otherwise noted. Gold (Au) and silver (Ag) are stated in US\$ per troy ounce (US\$/oz). Gold and silver values are reported as grams per tonne (ppm) symbolized g/t or troy ounces per short ton.

Unless otherwise mentioned, all Universal Transverse Mercator (UTM) coordinates in this Report are provided in the datum of Canada, NAD83 Zone 9.

RGSI Qualifications

Renaissance Geoscience Services Inc. (RGSI) is an international consulting company based in Kamloops, British Columbia, Canada. RGSI provides a wide range of geological services to the mineral industry.

RGSI’s mandate is to provide professional geological services to the mineral exploration and development industry at competitive rates and without compromise. RGSI services that include:

1. Exploration Project Generation, Design and Management
2. Data Compilation and Exploration Target Generation
3. Property Evaluation and Due Diligence Studies
4. Independent Technical Reports (43-101)/Competent Persons' Reports
5. Mineral Resource Modelling and Estimation
6. 3D Geological Modelling, Visualization and Database Management

Authoring this report is Mr. Leopold J. Lindinger, P.Geo., owner of RGSI. Mr. Lindinger is a geologist in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #19155) and has been for 28 years. Mr. Lindinger has 40 years experience in the mineral exploration industry as an exploration and mine geologist, and has written or co-written numerous property review reports, work assessment reports and NI43-101 compliant Independent Technical Reports. Certificate of the Author applicable for assessment reports is presented in Appendix 1.

PROPERTY LOCATION AND DESCRIPTION

Location

The Gold King Property is located approximately 20 KM NNW of Pemberton, British Columbia, Canada, in the Lillooet Mining Division, at 50° 32' N, 122° 55' W (NAD83, UTM Z10, 5597935 N, 505900 E on the southern ½ of BCGS map sheet 092JNE056 . The Property currently consists of 15 MTO mineral claims covering approximately 5287 hectares. Figures 2-1 and 2-2).

Description and Ownership

The Gold King Property consists of 15 contiguous mineral claims covering an area of approximately 5,287 hectares (Table 1; Figure 2).

Title No	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
1032197	GOLD KING	2014/NOV/13	2020/MAY/14	2022/FEB/10	637	20.55	\$ 562.53	\$ 0.00
1032200	CROWN	2014/NOV/13	2020/MAY/14	2022/FEB/10	637	20.55	\$ 562.48	\$ 0.00
1032729		2014/DEC/13	2020/JUN/13	2022/FEB/10	607	61.63	\$ 1586.03	\$ 0.00
1039919	Wonder	2014/NOV/13	2020/MAY/14	2022/FEB/10	637	20.54	\$ 562.39	\$ 0.00
1039920	Seneca	2014/NOV/13	2020/MAY/14	2022/FEB/10	637	20.54	\$ 562.33	\$ 0.00
1039944	CROWN 1	2015/NOV/14	2020/MAY/14	2022/FEB/10	637	61.64	\$ 1457.45	\$ 0.00
1039945	MOFFAT 092J.056	2015/NOV/14	2020/MAY/14	2022/FEB/10	637	20.54	\$ 485.53	\$ 0.00
1040141	GIN 092J.056	2015/NOV/24	2020/NOV/24	2022/FEB/10	443	20.55	\$ 374.18	\$ 0.00
1040499	SUNGOD 092J.056	2015/DEC/12	2020/JUN/13	2022/FEB/10	607	20.55	\$ 529.09	\$ 0.00
1060954	WONDER-MOFFAT - WEST	2018/JUN/04	2020/JUN/04	2022/FEB/10	616	20.54	\$ 244.00	\$ 0.00
1060955	WONDER-MOFFAT - EAST	2018/JUN/04	2020/JUN/04	2022/FEB/10	616	41.10	\$ 488.08	\$ 0.00
1061442	WONDER-MOFFAT - NORTH	2018/JUN/27	2020/JUN/27	2022/FEB/10	593	20.53	\$ 230.91	\$ 0.00
1070427	MOFFAT 2	2019/AUG/17	2020/AUG/17	2022/FEB/10	542	1500.02	\$ 11137.17	\$ 0.00
1070428	MOFFAT 1	2019/AUG/17	2020/AUG/17	2022/FEB/10	542	1540.23	\$ 11435.71	\$ 0.00
1070461	MOFFAT 3	2019/AUG/19	2020/AUG/19	2022/FEB/10	540	698.04	\$ 5163.59	\$ 0.00

Table 1 – List of Mineral Tenures Comprising the Gold King Property

New expiry date once work applied from 2019 programme has been accepted

The entire area covered by the Property is Crown Land and as such landowner permission to access the area is not required.

The property protects the Gold King Minfile Occurrence 092JNE054. Other Minfile occurrences protected by the property include 092JNE047, 048, 049, 050, 052, 053, 145, 167 and 168.

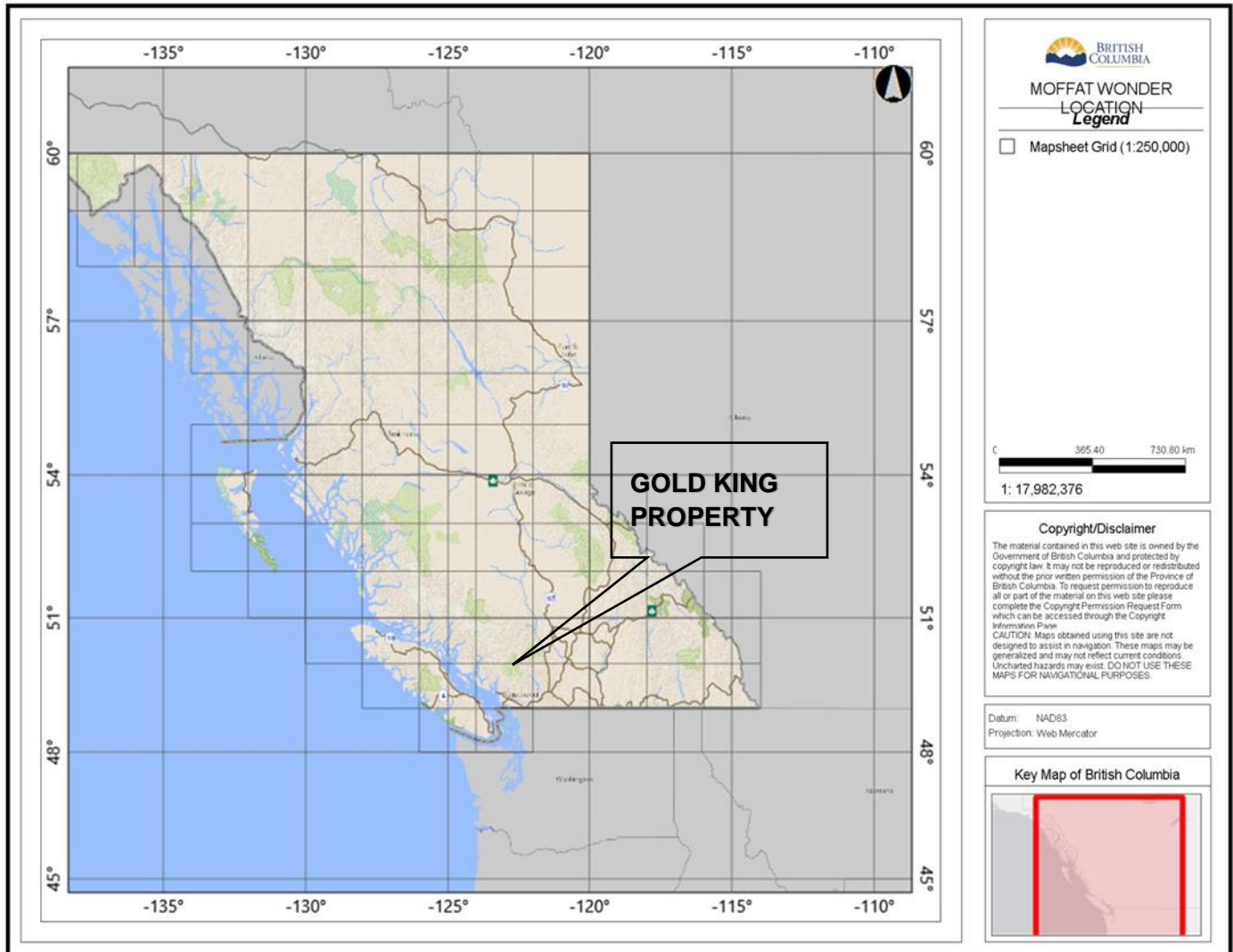


Figure 1. Location of the Gold King Property within B.C.,

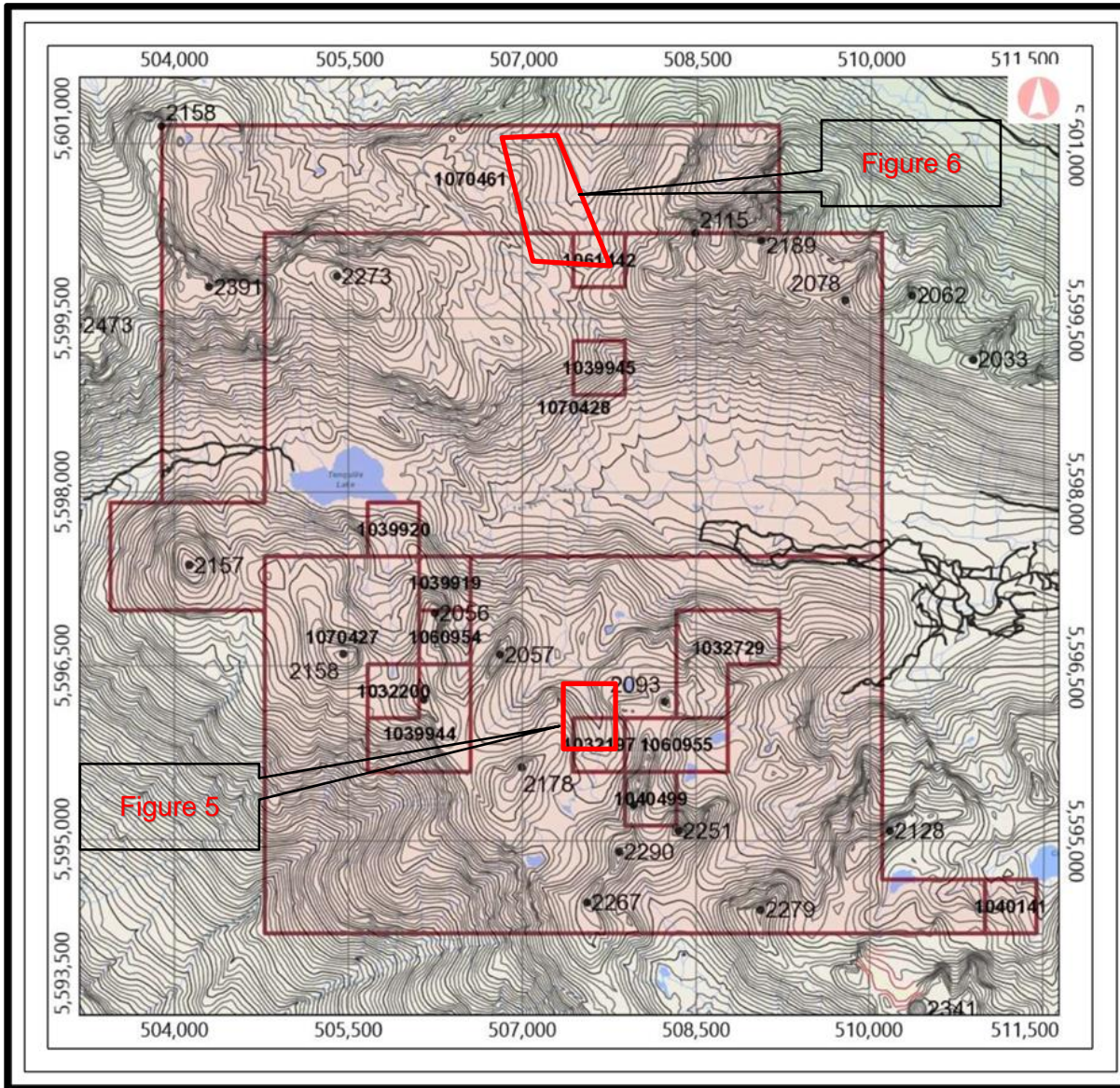


Figure 2. Mineral Tenures and Report Figures Index Plan.

Also shown is property area 20 metre contours, 100 metre index contours, streams, lakes, roads, 1.5 km UTM grid and elevation points in metres.

Minfile Nos. 092JNE047, 048, 049, 050, 052, 053, 054, 145, 167, 168

ACCESSIBILITY, PHYSIOGRAPHY AND INFRASTRUCTURE

Access

The Gold King claims are at between 1,200 and 2,400 metres elevation, a distance of approximately 20km north-northwest of the town of Pemberton, B.C. The current property straddles the upper western end of the east draining Tenquille Creek valley. Primary access is via helicopter from bases in Pemberton. Limited road access is available from the east up the Tenquille Creek valley from the Birkenhead River access road.

Physiography

The Gold King Property is located on an elevated area between the Birkenhead river to the NE and the Lillooet River Valley to the SW. Tenquille Mountain at 2473 metres is the off claim highest point near the properties west boundary. The property has several unnamed peaks on both sides of Tenquille Creek over 2200 metres. The lowest point is the SW corner in the steep sided Lillooet River valley at 940 m.

Infrastructure and Local Resources

The town of Pemberton located about 20 km south southwest of the Property, is the nearest significant population centre. Services in Pemberton include an airport with several helicopter charter companies, hospital and medical facilities, dentists, pharmacy, restaurants, grocery stores, hotels, service stations, banks, building supply centers and other small businesses. Similar services can be found in Whistler another 50 km south. The nearest major town and supply center is Squamish. West Vancouver is the largest major city.

The workforce in the area is generally employed by the forestry and tourism industries.

HISTORY

Prior Exploration

1913-1960'S

The first recorded work in the region is near the mouth of Owl Creek in 1913. The majority of the work in this period is recorded in the various BC Minister of Mines Annual Reports. The mineral occurrences located in the Tenquille Lake area were found around 1916 during the construction of the Pacific Great Eastern Railway. The intensive investigation of the Tenquille Lake Area was completed during the period 1923 to 1932 when several different groups including two major corporations, Federal Mining and Smelting and Britannia Mining and Smelting, completed their investigations. Federal completed the two drifts on the Li-Li-Kel Property and Britannia Mining and Smelting completed trenching and underground programs on the Crown and Gold King claims. A limited amount of diamond drilling was done on the Gold King in 1932.

There was extensive underground development on the Eva (aka Moffat) showings on the north side of Tenquille Creek in 1924 and 1925. There was an ongoing summer program on this property until about 1930.

The showings in the Tenquille Lake area were acquired by one owner in 1937 and held under the name of the "Gridiron" Property. There was little work completed in the Tenquille Lake area until 1961 when Phelps Dodge carried out an exploration program on the copper-iron showings located on the western side of Tenquille Lake. This work is detailed in the report by DC Malcolm, 1961. It outlines the mapping of the major lithologies in the area and nature of the mineralization.

1970's

Weymark reported in 1972 that airborne geophysics was completed over the center of the present Gold King claims surrounding Tenquille Lake.

1980's

In the early 1980's Tenquille Resources (various reports by Deleen and Curtis) completed exploration on the Li Li Kel and Number 4 areas. The work included mapping, sampling VLF-EM geophysics in 1982. In 1983 further geophysical geological mapping and, geochemical sampling was completed. In 1983 Amazon Petroleum drilled 17 NQ diamond drill holes totalling 1,605 meters.

Caliente Resources worked on the Avalanche claims starting in 1984 (reports by Cavey, et.al.). The work included soil and rock samples as well as magnetic and VLF Electromagnetic surveys. In 1987 the property on the south side of Tenquille Creek was explored by Ajax Resources including mapping, soil and rock geochemistry, VLF-EM and ground magnetic geophysics focusing on the Gold King, Number 4, Seneca and Crown zones, among others.

There was also work done focusing near in the Seneca showing by New Camp Resources in 1989. This consisted of soil and silt geochemistry, geology, ground magnetometer and VLF-EM geophysics (Christopher, 1989). This report states work was done in 1988 by Cyberquest Exploration Services. Details on what was done were not available.

1990's

Teck Corp. undertook extensive exploration of the Avalanche (the Moffat and Eva area) on the north side of Tenquille Creek. Field work in 1990 consisted of airborne VLF, geological mapping and geochemistry. This was followed in 1991 by additional mapping, geochemistry, ground HLEM geophysics and ten diamond drillholes totalling 1,914 meters. An additional eight BQ diamond drillholes totalling 1,419 meters, were completed in 1992. The highlight was a 17 m drill intersection returning 0.7% zinc.

2000's

During 2003 and 2004 Jo Shearer acquired a large mineral claim package extending along the east side of the Lillooet River from due east of Pemberton to past the current avalanche area of the current claims. The work was largely confirmed to the Gold King area of the current claims.

During September 2004, a work program consisting of soil profile sampling, prospecting, geological mapping and petrology was completed. The areas examined were the Gold King, a short distance east the 'creek' zone and the #3 zone. Results largely confirmed historic ones (AR 27806).

During 2005 the property was optioned to Gold King Mining Ltd. Gold King Mining contracted SJ Geophysics to complete a small 1 km NS by 300 metres EW IP program in the drainage hosting the Gold King showings (AR 28607). The program produced two coincident small chargeability hi and resistivity lows, one east of the Gold King Minfile occurrence and the second about 400 metres north where extensive exposures of black skarn are exposed with numerous trenches and old drill collars and sites and the "Creek" zone 100 m east. The ~100 m wide zones appear to be east striking and moderately south dipping and extend off the survey area to the east and west. See Figure 6 below.

In 2008 Wolverine Minerals Ltd. completed a diamond drilling (6 holes) and geological mapping program. (Shearer AR 30284). The holes targeted the western parts of chargeability and resistivity anomalies produced by the 2006 program. Although all holes reported prospective skarn style mineralization only holes 1 and 2 targeting the north geophysical anomaly reported public analytical results. Hole GK-08-01 from 22.75 to 25.6 returned 1.26 g/t gold, 33.5 g/t silver and 0.5% zinc. Hole GK-08-02 drilled to the east of hole 1 returned a pyrrhotite skarn interval from 131 to 133.5 grading 1.55 g/t gold, 9.4 g/t silver and 1.2% zinc.

Richard Billingsley acquired the property subsequent to the Shearer held claims expiring.

No additional exploration work has been completed on the property up till 2019.

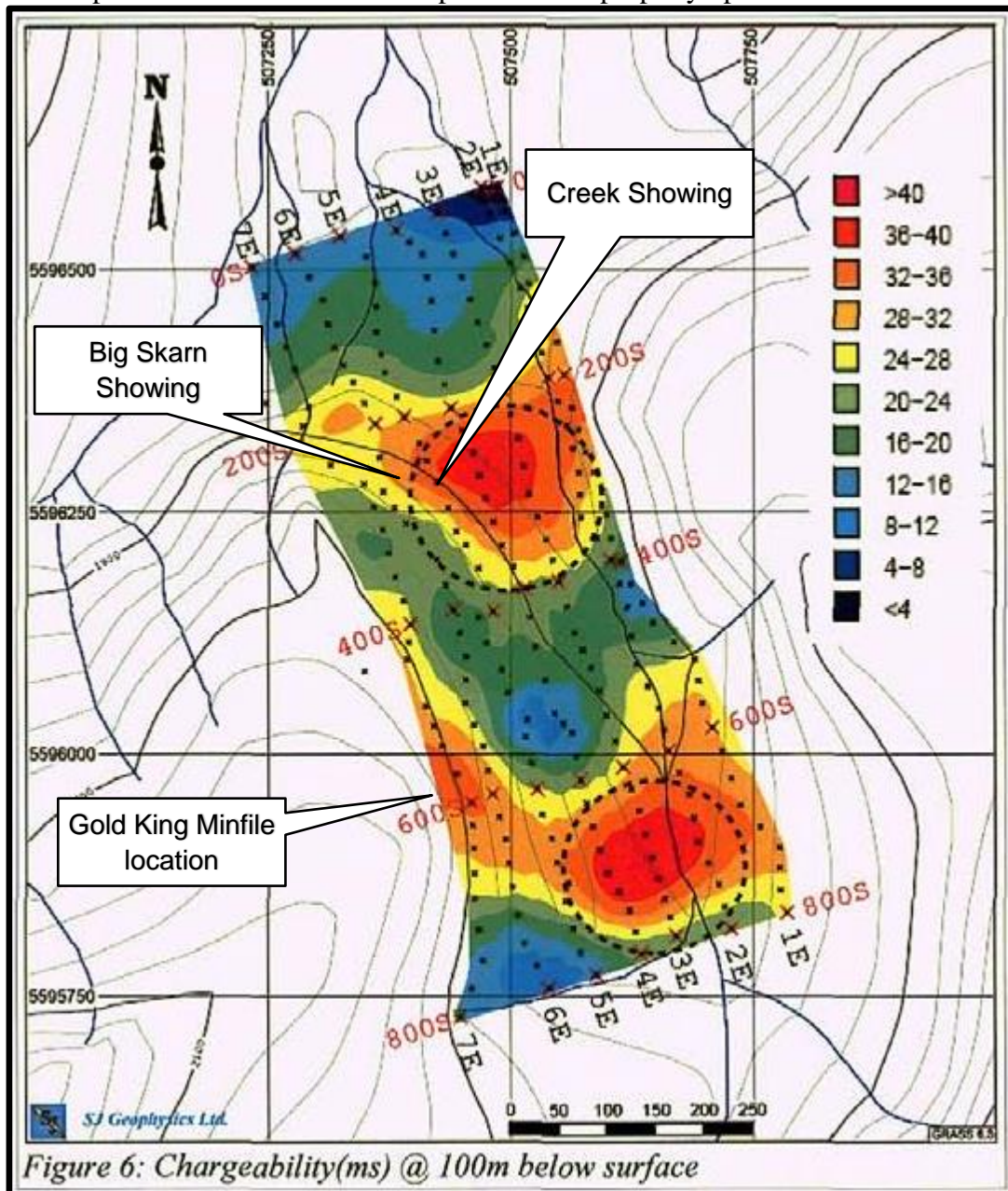


Figure “6” Chargeability A 100 m below surface. (Source AR 28607)

GEOLOGICAL SETTING

Regional Geology

The region is largely comprised of a northwest trending volcano-sedimentary belt known as the Cadwallader Group. This is an island arc group of Triassic age rocks. The Cretaceous Fire Lake Group (Gambier equivalent) occurs on the southwest side of the northwest trending Owl Creek Fault.

Intruding these units from the southeast is the Cretaceous Spetch Creek granodiorite Pluton, probably related to the Coast Intrusive Complex. Related to this intrusion are a series of dykes and sills that intrude throughout the volcanic sedimentary package. The dykes are likely coeval with the late volcanic flows (Riddell, 1990). Several small intrusive plugs occur around and just to the north of Tenquille Lake.

The region hosts several northwest trending shears and folds. The Owl Creek Fault is a major regional northwest trending fault (Riddell' 1990) that separates major rock units. This fault zone is traced over a 100 kilometers and is a northwestern extension of the regionally significant Harrison Lake Fault Zone. The rocks to the southwest of the fault are the Cretaceous Fire Lake Group (Gambier Group), largely tuffs and sandstone. The rocks to the northwest are a Triassic and post Triassic group of often undifferentiated volcanoclastic, tuffaceous and sedimentary sequence of the Cadwallader Group and Cretaceous diorite intrusives.

The history of exploration is long and detailed in this area. The target mineralization over the years has included gold, silver, copper, molybdenum, lead and zinc. The major mineralization occurs in veins, skarns and shears. The early exploration targeted the garnet-magnetite-epidote skarns developed in limestone beds and pods. These often developed along the edge of porphyritic dykes that intruded the limestone beds and related shears.

Local and Property Geology

The rocks underlying the property are the Triassic Cadwallader Group often undifferentiated volcanoclastic, tuffaceous and sedimentary sequence and Cretaceous diorite intrusives. The Tenquille Lake area is located just east of the margin of the Coast Intrusive Complex, a major northwest trending tectonic belt in the Canadian Cordillera. It appears to be a roof pendant of the Coast Intrusive Complex. The rocks of the Tenquille Lake area consist of a series of andesite flows, tuffs and breccias and some minor flows of rhyolite breccia. Also thin and thick beds of slate, argillite, limestone and conglomerate outcrop within the sequence.

The mineralization explored for include possible volcanogenic massive sulphide deposits shear zone related mineralization zones, such as the Grizzly Shear in the Avalanche area targeted by Teck Corp. on the north side of Tenquille Creek.

The Grizzly shear is a major northwest trending shear through the Avalanche portion of the property.

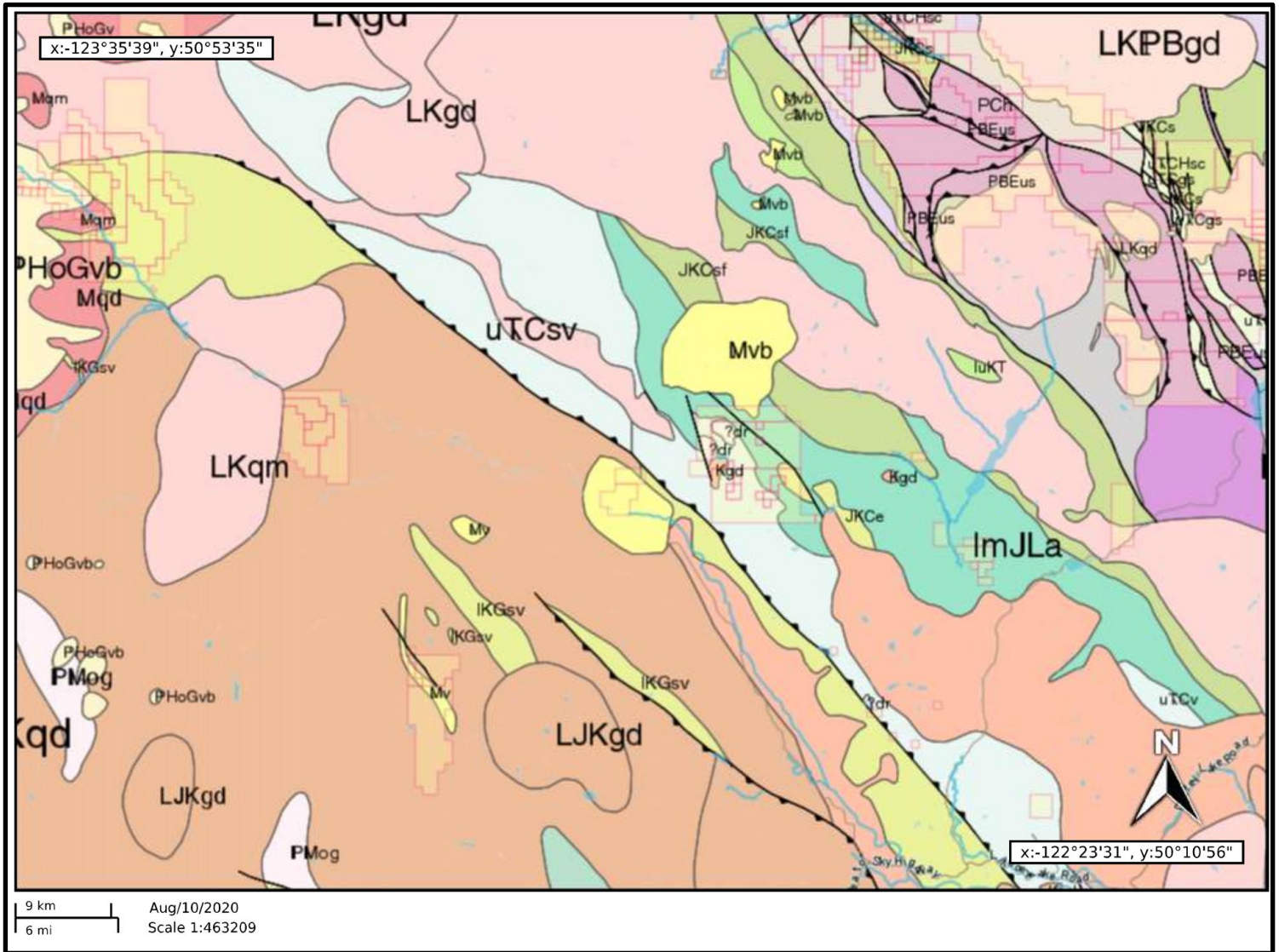


Figure 3 – Regional Geology

LEGEND for Figures 3 and 4		
Miocene	Mvb	mafic volcanics
lower Cretaceous-Palocene	LKPBgd	biotite granodiorite
lower Cretaceous	LKqgm , gd , qd	quartz monzonite, granodiorite, quartz diorite
lower Jurassic to Cretaceous	LJKgd	granodiorite
lower Cretaceous	LKGP	Gambier Group
Jurassic Cretaceous	JKCsf	Cayoosh Assemblage siliceous phyllite
Jurassic Cretaceous	JKCe	Cerullean Lake Unit
lower-middle Jurassic	ImJLa	Ladner Assemblage
upper Triassic	uTrCs(v)	Cadwallader Group sediments and (volcanics)
mid Mississippian to mid Jurassic	CJBRsv	Bridge River Group sediments and volcanics
Permian	PBEus	Bralorne Group East Liza complex ultramafic rocks

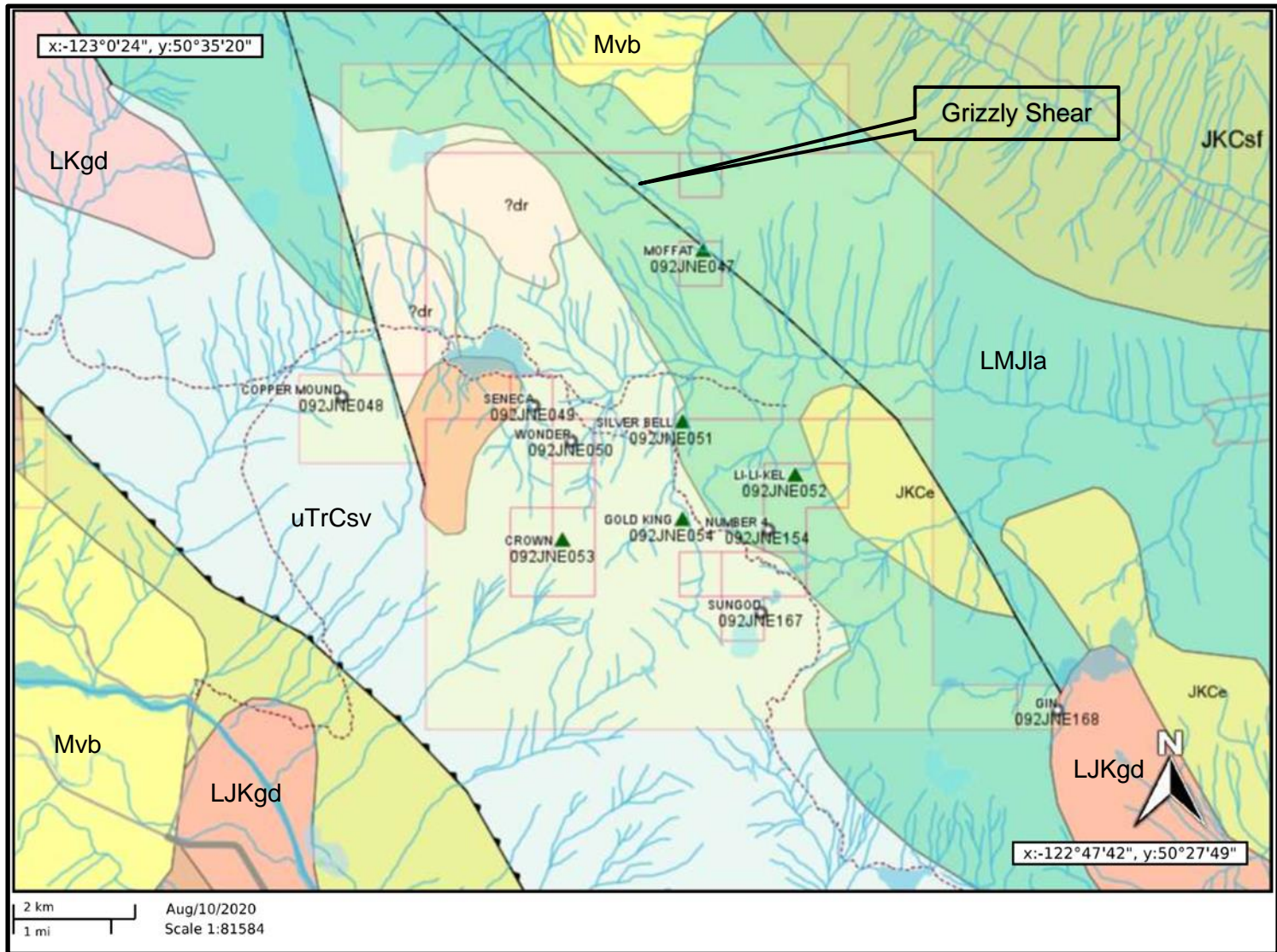


Figure 4 – Local and Property Geology and Minfile Occurrences

The Gold King property in its current configuration protects the following Minfile occurrences; 092JNE047 (MOFFAT), 048 (COPPER MOUND), 049 (SENECA), 050 (WONDER), 051 (SILVER BELL), 052 (LI-LI-KEL), 053 (CROWN), 054 (SILVER KING), 154 (NUMBER 4), 167 (SUN GOD), 168 (GIN).

Gold King Area

The dominant non intrusive lithologies in the Gold King area are Triassic Cadwallader group sediments (uTrCrs) and volcanics (uTrCrv). Due to detailed mapping by Pautler the Group has been subdivided with additions made in the 2008 drill program. Many of these units were only documented in the 2008 drill core.

Chloritic Siliceous Tuff- Unit Trvts

This tuffaceous unit is a light green to light grey matrix with feldspar crystals averaging 1 -2 mm in size. The rock is often siliceous and some sections are quite bleached to a pinkish or purple/mauve colour. Minor epidote and chlorite veinlets are common, along with quartz and calcite veining. Mineralization consists of disseminated pyrite and pyrrhotite . This rock unit displays crude banding.

Calcareous Tuff-Unit UTrCvtc

This unit is dark green in colour with a mottled texture. Relict crystals (or fossils) are common. Crude convoluted banding occurs throughout.

Heterolithic Tuff- UTrCvth (c)

(Possible Tuffaceous Pebble Conglomerate)

This unit is distinctive with abundant rounded to sub angular fragments up to 40 mm in length within a light to dark green matrix. Fragments may be indistinct in places and in other places the fragments are well rounded and close packed. Bleaching occurs at varying intervals. Quartz and quartz-carbonate veining are common.

Argillite- Trsa

This dark grey to black unit is fine grained to massive often seen with calcite filled fractures. Pyrite and pyrrhotite mineralization occurs in some sections. Rounded nodules with calcite filled fractures and trace pyrite was observed in places.

Siliceous argillite uTrCsas

Quartzite - uTrCsq

This rock unit has a distinctive olive green-yellow colour is very fine grained, well banded with black (magnetite?) filled fractures in associated with minor amounts of pyrite mineralization.

Chert – uTrCsc

Sandstone - uTrCcss

Limestone- uTrCsl

Light grey, marled texture with black banding.

Skarn (Skec) epidote chlorite, Skpo (pyrrhotite > 25%), Skpy (pyrite > 25%).

Avalanche Area.

The dominant non intrusive lithologies in the Avalanche area are also Triassic Cadwallader Group sediments (uTrCs) and volcanics (uTrCv). Due to detailed mapping by Pautler the Group has been subdivided. The primary difference from the Gold King area is the presence of volcanogenic exhalative deposits and the lack of intrusive derived skarn deposits. A list of units present here are;

uTrCva – andesite undivided, uTrCvat – andesite tuff undivided, uTrCvalt – andesite lapilli tuff, uTrCvaf – andesite flow, uTrCvd – dacite undivided, uTrCvdt – dacite tuff undivided, uTrCvdf – dacite flow
uTrCvflt – dacite lapilli tuff, uTrCvex – exhalate undivided, uTrCvexs – sulphidic exhalate
uTrCvexq – siliceous to cherty exhalite

MINERALIZATION

The Gold King property hosts numerous mineral occurrences ranging from oldest to youngest Triassic syngenetic zinc – copper -silver-gold, Cretaceous deep level intrusive associated magnetite, pyrrhotite, pyrite - copper+/-gold enriched skarn (Gold King area), intrusive hosted fracture zone gold enriched (Gold King area), shear zone associated copper (avalanche area), and quaternary to recent spring deposited ferricrete.

2019 EXPLORATION PROGRAM

Exploration Programme

The 2019 exploration programme was implemented and managed by RGSi and comprised 4 days of prospecting style traverses in the Avalanche exhalative zinc + shear zone hosted copper and the Gold King copper gold skarn and gold enriched intrusive associate fracture zone areas of the property. 2 days (August 28 and 29) were spent in the Avalanche area visiting the historic showings. Day 1 was spent examining the western exposures to determine the perspective of the western extent of the known mineralization. Day 2 included a detailed examination of the Teck hole 91-05 area where a core length intersection grading 0.7% zinc over 17.1 m was intersected. Core recovery was very poor through this intersection and a deeper hole failed to intersect economic zinc mineralization in the interpreted down dip extension of the zone. Here a systemic sampling program of the gossanous mineralized rock over the intersection was completed. The remainder of the day was prospecting east to the east and examining the large ferricrete deposits down hole to the east of the drill intersections, visiting the Canyon adit and attempting to reach the Eva showing (without success). See Figure 5 in Appendix C below.

In the Gold King area prospecting activities were completed during August 30 and 31 in the small valley hosting the mineralization and the next drainage to the east that hosts the No 3 and 4 zones. Day 1 was an examination of the Gold King Minfile occurrence location west of holes 2008 4,5 and 6 from the Minfile co-ordinates, followed by prospecting and talus fines sampling east of the target into the next valley then north to visit prospective areas of the No3 and 4 targets. Day 4 was spent examining the numerous skarn prospects north of the Gold King occurrence and towards drill hole 08-01, 2 and 3.

The samples were stored in a locked canopy of the authors truck. Once in Kamloops they were transported directly to the Actlabs analytical facility. Due to the prospective nature of the program only one set of blanks and a standard was inserted into the sample stream.

Exploration Results

The results of the 2019 geochemical sampling are presented in Figures 5, and 6 in Appendix C and Figure 7 below, Analytical affidavits in Appendix A below, rock descriptions in Appendix B below, and rock and core sample images in Appendix C below.

Avalanche Area (Figure 6 in Appendix C)

Examination of the area of the new showing confirmed the size and style of the mineralization documented by Pautler in her 1991 and 1992 reports. Here samples of pyrite mineralized with minor chalcopyrite and malachite stained surfaces sheared rock returned weakly anomalous gold, copper, lead

and zinc. The western extent of the weakly zinc enriched felsic volcanics was covered by very recent bridge River volcanics interpretedly from a small center located a few hundred metres NW of the area. The topography also drops off dramatically and the conclusion was that a significant deposit being located in that direction was very limited.

2019 Geochemical and Prospecting Assessment Report on the Gold King Property

SAMP ID	EASTING	NORTHING	GPS ELEV.	ZONE	Ag assay	Au ASSAY	Cd	Cu	Mn	Mo	Pb	Zn	As	Bi	Fe	Sb	V	COMMENTS
905951	506350	5600728	1930	Avalanche	41.4		353	10000	2070		283	10000	5710			257		"New showing. Deformed marble. Late stage cpy veining in shear.
905952	506380	5600710	1923	Avalanche	7.5			10000		48		308	84					"Second trench" Sulphide mineralized mafic dyke.
905953	506369	5600706	1927	Avalanche	5.9		138	10000				10000	35					Old Trench. Schistose limestone with marble stringers.
905954	506308	5600705	1932	Avalanche				381			64	345	223					Mineralized shear zone.
905955	506332	5600782	1920	Avalanche		0.149		159			31	130	584					Sulphidic mafic schist.
905956	506326	5600816	1913	Avalanche				163		44		799	83					Rusty oxidized sulphidic schist
905961	506095	5600872	1906	Avalanche							86	54	100					Float sample. Sulphidic schist. Possible trace sphalerite
905962	506056	5600840	1914	Avalanche							76	301	84					OC. Weakly sulphidic schist.
905963	506032	5600828	1913	Avalanche				304			660	253	144					Massive ferricrete in fracture
905964	505998	5600826	1914	Avalanche		0.273				32	288	288	426					Trench. Hydrothermally brecciated schist with QC, clay and minor sulphides
905965	506102	5600705	1915	Avalanche							56		115					OC. Clay altered sulphidic sericite schist.
905966	506112	5600686	1920	Avalanche								121	101					OC Felsic quartz eye porphyry schist.
905967	506898.5	5600009	1935.5	Avalanche								163	36			80		Brown weathering siliceous fine grained sulphidic schist.
905968	506700	5600009.9	1938	Avalanche								541	31					120 Brown weathering siliceous fine grained sulphidic schist.
905969	506700.6	5600010.2	1937.5	Avalanche								274						92 Brown weathering siliceous fine grained sulphidic schist.
905970	506700.8	5600012.6	1936	Avalanche		0.411						129						Brown weathering siliceous fine grained sulphidic schist.
905971	506697	5599989.7	1936.7	Avalanche				108				396	55					104 Brown weathering siliceous fine grained sulphidic schist.
905972	506705	5600003	1933.7	Avalanche								179						75 Brown weathering siliceous fine grained sulphidic schist.
905973	506700	5600020.7	1935.2	Avalanche									45					Brown weathering siliceous fine grained sulphidic schist.
905974	506702	5599995	1937	Avalanche		0.158							93					Ferricrete fracture filling
905975	506703	5599990	1939	Avalanche								168						67 Brown weathering siliceous fine grained sulphidic schist.
905977	506808	5600030	1900	Avalanche												30		110 Ferricrete soil
905978	507569	5596001	1896	Gold King				214					134					103 Fine grained weakly sulphidic hornfels
905979	507558	5595954	1933	Gold King	14	5.2		361	2850	1560	3380	5350	6040	14.6				Massive black skarn.
905980	507552	5595970	1924	Gold King					7650	212								Silicious cherty hornfels with fine grained disseminated sulphides.
905981	507546	5595903	1932	Gold King	19.2	7.56		236	1400		5000	1040	1270	10.8				Gold King Showing. 1 m wide TW.
905982	507550	5595880	1934	Gold King	2.3			528	15400		59	993		21.3				Sulphidic skarn 2 m wide TW 20+% py + asp
905983	507555	5595753	1934	Gold King	3			266	11800									Subcrop. Dark skarn, 40 cm chip.
905984	507949	5595752	2007	Gold King				1650				490	53	26				Float sample. Sulphidic fractured intrusive.
905985	507911	5596497	1946	Gold King	12.7	1.58	23.6	353			779	6570	9000					Old Adit with wheelbarrow (no 4 zone). Semi massive pyritic skarn with strong Asp smell.
905988	507618	5596061	1861	Gold King	2.5			475	8490						11.5			Melanocratic brecciated magnetic skarn. Semi massive ~12% sulphides and magnetite. 1.3 m chip sample.
905989	507618	5596062	1861	Gold King	2.1			310	8660						12.5			Melanocratic brecciated magnetic skarn. Semi massive ~12% sulphides and magnetite. 1.2 m vertical sample at N end of sample 988.
905990	507501	5596190	1880	Gold King					4510			118	62					North striking skarn zone. 50 cm channel sample.
905991	507495	5596211	1879	Gold King		0.92		106	5900									5 M thick skarn zone. Late semi crosscutting mineralization is subvertical.
905992	507457	5596226	1893	Gold King					5650								80	7 m thick skarn zone. Sampled across middle 1.5 m of zone. TW 0.75 m.
905993	507434	5596329	1869	Gold King	53.3			1590	1480		3270	434		84	19.3			GK North Zone. 40 m NS by 15 EW continuation of massive sulphide zone." Float sample.
GKSS-01	507888	5595830	1966	Gold King	4.2			887	2760			1460	63	15.1			65	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-02	507941	5595776	1998	Gold King	2.2			858	3270		61	1440	254	10.7			52	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-03	507948	5595766	2002	Gold King	4.3			2030	1950		67	2170	870	24.5			42	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-04	507966	5595862	2019	Gold King	2.3			503	3530		203	955		11.3			146	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-05	507967	5595888	2013	Gold King	3.3			448	3480		413	1270		11.7			131	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-06	508093	5596198	2010	Gold King	2		86.5	1070	11300			10000	58					Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-07	507375	5596329	1930	Gold King				676	2560				114	16.1			81	Talus Fines Sample. Sulphidic fractured intrusive and skarn host rock. South of DH 08-03

NOTES ALL ELEMENTS ARE REPORTED IN PPM or G/T, CO-ORDINATES are UTM ZONE 10 WGS 84.

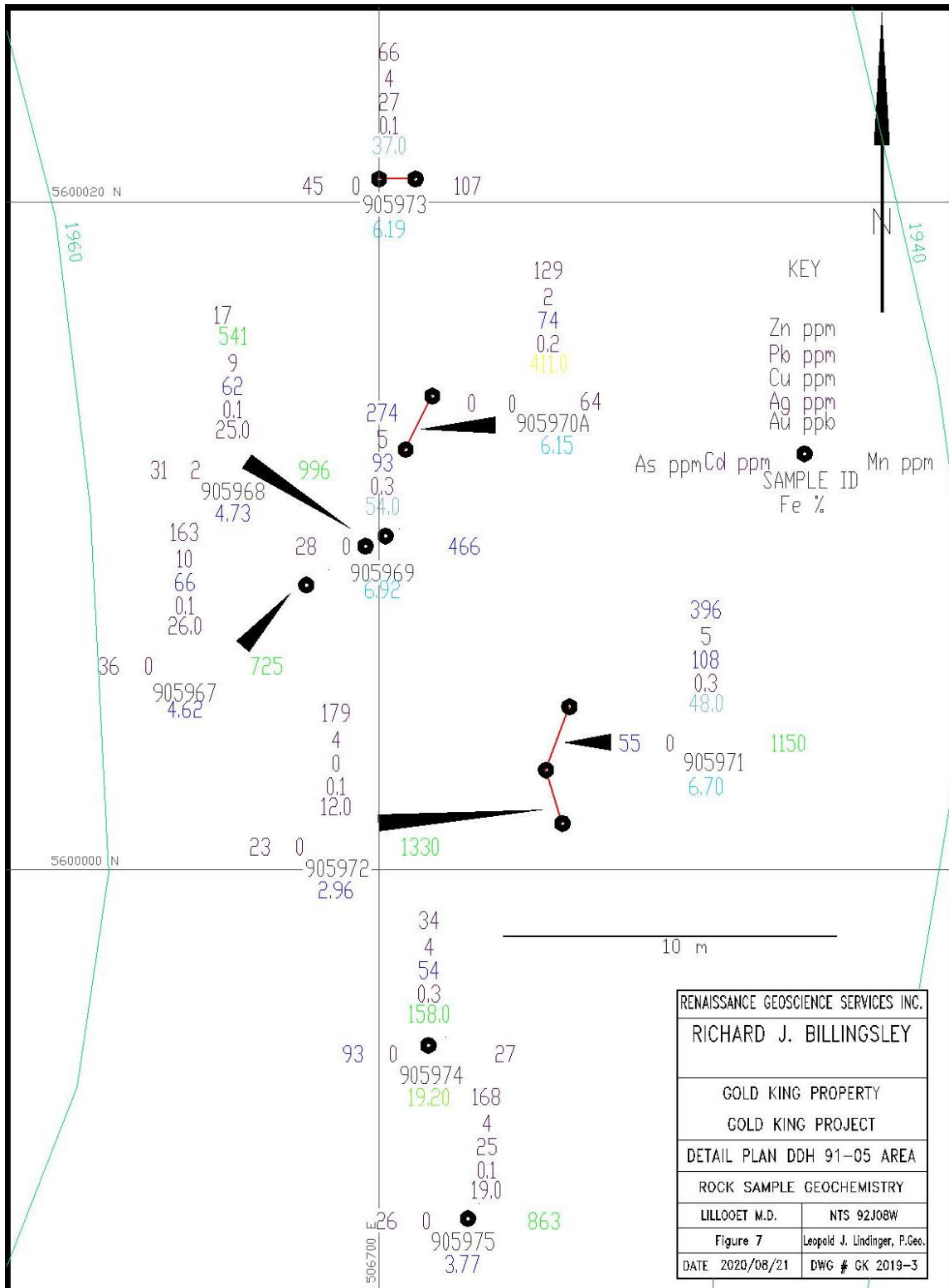
Table 2 – 2019 Analytical Highlights

Table 4 – 2019 Exploration Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days	Days	Rate	Subtotal*	
Lindinger Project manager	August 27-31, 2019	5	\$880.00	\$4,400.00	
Gerry Diakow geologist	August 27-31, 2019	5	\$600.00	\$3,000.00	
Chadley Diakow	August 27-31, 2019	5	\$200.00	\$1,000.00	
				\$8,400.00	\$8,400.00
Office Studies					
Literature search	Lindinger	1.5	\$880.00	\$1,320.00	
Database compilation	Lindinger	1.0	\$500.00	\$500.00	
Computer modelling	Lindinger	3.0	\$600.00	\$1,800.00	
General research	Lindinger	0.7	\$880.00	\$616.00	
Report preparation	Lindinger	3.5	\$880.00	\$3,080.00	
				\$7,316.00	\$7,316.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Reconnaissance	30 Ha Lindinger, Diakow,				
Prospect	30 Ha Lindinger, Diakow				
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Rock and Talus fines		52	52.0	\$58.00	\$3,016.00
					\$3,016.00
					\$3,016.00
Transportation		No.	Rate	Subtotal	
Ferry - Chadley Diakow		1.0	35	\$35.00	
truck rental - Lindinger	5 days @ 125/day	5.00	\$125.00	\$625.00	
truck rental - Diakow	5 days @ 80/day	5.00	\$80.00	\$400.00	
Fuel Diakow	per invoice			\$145.00	
kilometers Lindinger		480	480.00	\$0.75	\$360.00
Helicopter (hours)	5 @ 2750	5	\$2,750.00	\$13,750.00	
Other					
					\$15,315.00
					\$15,315.00
Accommodation & Food	Rates per day				
Hotel	12 person days @ 295.46 day	12.00	\$295.46	\$3,545.52	
Meals	18 meals @ 30/meal	18.00	\$30.00	\$540.00	
					\$4,085.52
					\$4,085.52
Equipment Rentals					
Sat phone	4 days @ 15/day	4.00	15	\$60.00	
Field Gear (Specify)	3 Gps's @ \$5/day for 4 days	12.00	\$5.00	\$60.00	
Other (Specify)					
					\$120.00
					\$120.00
Freight, rock samples					225
					\$225.00
					\$225.00
TOTAL Expenditures					\$38,477.52

Hole 91-5 Area (Figure 7 below)

The hole 91-5 area is characterized by a WNW striking steeply north dipping package of interpretedly subaqueous felsic tuffs. The hole returned 0.7% zinc over 17.1 m. However core recovery was reported to be very poor as the rock was very leached with significant ‘solution cavities’ in the rock. Numerous samples of the heavily stained outcropping rock overlying the drill holes were taken. Sampling was occasionally hindered by ferricreted cement up to 10 cm thick capping the bedrock. The samples all returned weakly anomalous gold up to 0.4 g/t, zinc (to 396 ppm), and occasional very weakly elevated copper and vanadium values. The ferricrete sample from a perched deposit about 50 m east of the 91-05 zone returned negligible amounts of economic element other than greater than 30% iron.



Gold King area (Figure 5 in Appendix C)

The exploration results and observations of the Gold King target confirmed the historic results and provided combined with recent historical information valid areas warranting future exploration work. Numerous skarn samples taken returned multigram gold, over 100 g/t silver and very elevated zinc and lead results. Please refer to Figure 5, and Tables 3 and 4 for details. Of note for the 2019 program was the success of the talus fines sampling completed of material accumulated at the toes of significant cliffs otherwise inaccessible for sampling. The encouraging results obtained in this first pass program indicates mineralization is present in the up cliff gossanous exposures above the samples taken. The samples were taken from both NNW and ENE striking structures and no real variation in chemical signature was noted.

QAQC

The Author attached two pulp samples to the end of the sample stream to determine analytical quality control. One was a rock pull standard and the other was a blank made from cement sand. The Author examined the extra samples inserted into the sample stream for quality control measures. Sample 905994 was a pulp from a supply of standards in the Author's possession. The gold (10.8 g/t), silver (187 g/t) and multielement results from affidavit A19-11680 matched relatively closely WCM Minerals Standard PM 925 which has a published values of 11.7 g/t gold and 172 g/t for silver.

Sample 905995 was a field blank prepared from cement sand. The results from this sample indicated a possible slight gold contamination (19 ppb) from the 10 g/t gold sample from the previous sample in the stream but none of any other elements. The Author upon discussion with Actlabs was informed that the Fire Assay Gravimetric procedure used is unsuitable for low grade gold and particularly silver determinations which explains the high silver values received in affidavit A19-11680 versus A19-13197. The Author reviewed the quality control measure made by the analytical laboratory and did not find any notable issues.

INTERPRETATION AND CONCLUSIONS

Exploration efforts in the Avalanche area largely confirmed the style and tenure of the previously described mineralization by Pautler. One exception is that the mineralization under hole AV-91-05 by not have been tested if it has a more vertical or possible southwesterly dip.

Exploration efforts in the Gold King area suggest that there are two major but related styles of mineralization in the area. The first are discrete intrusive hosted NNW and ENE trending steeply dipping brittle fracture zones hosting anomalous precious and base metal values. Several of these were sampled using talus fines and all intrusive hosted samples (GKSS0-01 to 06) reported elevated silver, copper, lead and zinc values. Where one NNW trending structure extends northward under sedimentary cover the surficial manifestation is the Gold King skarn area. The two still largely untested 2006 IP anomalies occur at the interpreted intersection of mineralized NNW and SES structures. The northern anomaly and are tested by holes GK08-01 to 3 is open to the NE and east under sedimentary cover and where several historic occurrences are present.

RECOMMENDATIONS

Additional exploration work is recommended on the Gold King property. Recommended is a phase 1 multistaged program detailed below.

Recommended is to extend the IP coverage to the north and east to cover the historic showing in this area. Also recommended is to complete additional prospecting and talus fines sampling in the large gossanous cliff ENE of the largest skarn showing on the property and north of the No 3 zone. Also recommended is to drill test to the east the core of the IP anomaly, under the ‘Creek Showing’ of Shearer, and points to the east, and to redrill the area of Holes 4 to 6 to assay the mineralization intersected at depth there. Additional sampling along the prospective cliffs should be undertaken with additional talus fines sampling.

The phase 1 surficial portion of this program is budgeted at \$100,000 dollars.

Phase 2 would be a minimum \$100,000 diamond drilling program to test the most prospective anomalies derived from this work.

TABLE 5 - RECOMMENDED PHASE I EXPLORATION EXPENDITURES		
ITEM	DETAILS	CHARGE
Preparation		\$ 4,000
mobilization demobilization		\$ 3,000
IP Grid	800 m NNE striking lines (2.4 km @ \$3000/km)	\$ 35,000
airborne magnetic survey	30 hectares	\$ 10,000
Geological mapping	3 DAYS @ \$1000 per day	\$ 3,000
Sampling and prospecting	2 mandays ~\$600/day	\$ 1,200
analytical charges	25 talus fines and rock samples @ \$60/sample	\$ 1,500
vehicular support	10 vehicle days @ \$120 per day	\$ 1,200
meals	20 person days @ \$75/day	\$ 1,500
hotel	20 person nights @ \$250/ night	\$ 5,000
project management	7 days @ \$1000/day	\$ 7,000
Report and CAD drafting		\$ 1,000
Helicopter		\$ 15,000
Contingency		\$ 11,600
TOTAL RECOMMENDED EXPENDITURES:		\$ 100,000

Additional exploration work would be contingent on the success of the phase 1 and 2 programs.

CERTIFICATE

Leopold Joseph Lindinger, P.Geo.
680 Dairy Road, Kamloops, B.C. V2B-8N5
Tel/text. 250-319 0717
Email: lejolindinger@gmail.com

HEREBY DO CERTIFY THAT:

1. I, Leopold Joseph Lindinger, P.Geo. of 680 Dairy Road, Kamloops, B.C..
2. I graduated in 1980 from the University of Waterloo, Ontario with a Bachelor of Sciences (BSc) in Honours Earth Sciences.
3. I am a member in good standing as a Professional Geoscientist (#19155) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.
4. I have worked continuously as a geoscientist since graduating.
5. I am responsible for presenting the exploration results, conclusions and recommendations made for the **“2019 Geochemical and Prospecting Assessment Report on the Gold King Property”**

Dated this 23rd day of August, 2020, and amended November 18, 2020.

Leopold J. Lindinger, P.Geo.

REFERENCES

Pautler, J, 1991: 1991 drilling report on the Avalanche Property. Unpublished report for Teck Resources Corp.

Pautler, J, 1992: 1992 drilling report on the Avalanche Property. Unpublished report for Teck Resources Corp.

Rastad S. 2006: 3D Induced Polarization on the Gold King Property. BC geological Survey Branch Assessment Report No. 28607.

Shearer, J. 2008: Diamond Drilling and Geological Assessment Report on the Gold King Property. BC geological Survey Branch Assessment Report No. 30284.

APPENDIX A - Analytical Certificates



Date Submitted: 03-Sep-19
Invoice No.: A19-11680
Invoice Date: 26-Sep-19
Your Reference: Moffatt-Wonder

Renaissance Geosciences
680 Dairy Road
Kamloops B.C. V2B8N5
Canada

ATTN: Leo Lindinger

CERTIFICATE OF ANALYSIS

50 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A3-Ag-Kamloops	QOP AA-Au (Au, Ag-Fire Assay Gravimetric)	2019-09-20 18:53:09
1E3-Kamloops	QOP AquaGeo (Aqua Regia ICPOES)	2019-09-13 17:07:41

REPORT **A19-11680**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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 E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
905951	< 10	0.10	0.015	0.013	3.11	257	< 1	45	< 0.01	< 20	1	< 2	< 10	5	< 10	20	1
905952	< 10	2.33	0.017	0.005	9.24	6	< 1	2	< 0.01	< 20	5	< 2	< 10	28	< 10	3	3
905953	< 10	0.59	0.022	0.014	0.74	5	2	7	< 0.01	< 20	< 1	< 2	< 10	9	26	14	1
905954	< 10	0.02	0.032	0.016	0.10	4	2	1	< 0.01	< 20	2	< 2	< 10	5	< 10	13	2
905955	< 10	0.71	0.022	0.083	1.74	6	5	2	< 0.01	< 20	< 1	< 2	< 10	38	< 10	7	2
905956	< 10	0.58	0.015	0.010	1.00	4	3	4	< 0.01	< 20	2	< 2	< 10	18	< 10	5	2
905957	< 10	0.38	0.018	0.014	1.68	3	2	8	0.06	< 20	5	< 2	< 10	10	< 10	< 1	2
905958	< 10	0.35	0.109	0.036	4.85	3	8	4	0.08	< 20	< 1	< 2	< 10	48	< 10	7	3
905959	< 10	0.42	0.017	0.011	8.32	3	1	2	< 0.01	< 20	< 1	< 2	< 10	11	< 10	2	3
905960	< 10	0.02	0.036	0.039	0.83	< 2	2	3	< 0.01	< 20	< 1	< 2	< 10	5	< 10	7	1
905961	< 10	0.02	0.058	0.021	0.10	< 2	2	6	< 0.01	< 20	< 1	< 2	< 10	6	< 10	6	< 1
905962	< 10	0.08	0.047	0.041	1.06	2	4	2	< 0.01	< 20	< 1	< 2	< 10	7	< 10	6	1
905963	< 10	< 0.01	0.023	0.213	0.34	8	2	2	< 0.01	< 20	< 1	< 2	< 10	26	< 10	2	7
905964	< 10	< 0.01	0.021	0.030	0.55	5	2	4	< 0.01	< 20	< 1	< 2	< 10	21	< 10	6	2
905965	< 10	0.01	0.023	0.022	0.06	< 2	1	2	< 0.01	< 20	1	< 2	< 10	3	< 10	7	< 1
905966	< 10	0.02	0.041	0.057	0.87	< 2	3	3	< 0.01	< 20	< 1	< 2	< 10	8	< 10	11	1
905967	< 10	0.41	0.027	0.033	0.21	4	7	62	0.14	< 20	4	< 2	< 10	80	< 10	5	5
905968	< 10	0.80	0.025	0.055	0.48	4	11	77	0.17	< 20	2	< 2	< 10	120	< 10	6	6
905969	< 10	0.72	0.029	0.035	0.15	4	6	16	0.08	< 20	2	< 2	< 10	92	< 10	2	4
905970	< 10	0.07	0.032	0.019	0.15	4	2	4	< 0.01	< 20	4	< 2	< 10	23	< 10	2	3
905971	< 10	0.94	0.022	0.052	0.31	4	9	72	0.22	< 20	10	< 2	< 10	104	< 10	4	8
905972	< 10	1.25	0.032	0.039	0.14	5	11	70	0.24	< 20	2	< 2	< 10	75	< 10	6	6
905973	< 10	0.44	0.039	0.064	0.65	< 2	3	4	0.02	< 20	5	< 2	< 10	31	< 10	3	3
905974	< 10	0.03	0.022	0.125	0.39	9	1	2	0.01	< 20	14	2	< 10	40	< 10	< 1	7
905975	< 10	0.60	0.048	0.046	1.70	4	11	40	0.25	< 20	2	< 2	< 10	67	< 10	7	6
905976	< 10	1.18	0.062	0.042	0.33	< 2	6	6	< 0.01	< 20	< 1	< 2	< 10	20	< 10	4	1
905977	< 10	< 0.01	0.013	0.073	0.51	17	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	110	< 10	< 1	11
905978	< 10	0.83	0.316	0.038	2.48	4	5	42	0.28	< 20	3	< 2	< 10	103	< 10	6	4
905979	< 10	0.12	0.018	0.014	9.20	17	2	3	< 0.01	< 20	< 1	< 2	< 10	32	< 10	4	6
905980	18	0.49	0.022	0.128	0.04	4	9	49	< 0.01	< 20	< 1	< 2	< 10	19	< 10	11	2
905981	< 10	0.14	0.019	0.022	0.86	18	2	2	< 0.01	< 20	< 1	< 2	< 10	19	< 10	7	7
905982	< 10	0.86	0.012	0.016	10.9	8	4	3	0.03	< 20	< 1	< 2	< 10	39	< 10	5	9
905983	< 10	0.11	0.012	0.018	7.97	8	1	7	< 0.01	< 20	< 1	< 2	< 10	8	< 10	5	5
905984	< 10	0.03	0.011	0.045	0.63	9	3	< 1	0.05	< 20	< 1	< 2	< 10	31	< 10	3	9
905985	< 10	0.15	0.012	0.016	4.89	9	1	9	< 0.01	< 20	2	< 2	< 10	11	< 10	< 1	3
905988	< 10	0.15	0.012	0.033	2.74	5	1	4	0.02	< 20	< 1	< 2	< 10	14	< 10	2	4
905989	< 10	0.10	0.012	0.028	1.46	6	< 1	5	0.01	< 20	< 1	< 2	< 10	11	< 10	2	4
905990	< 10	0.25	0.019	0.116	1.48	6	4	45	0.14	< 20	< 1	< 2	< 10	23	< 10	18	10
905991	< 10	0.30	0.015	0.097	1.94	7	6	39	0.13	< 20	3	< 2	< 10	27	< 10	15	10
905992	< 10	0.38	0.053	0.058	0.58	9	9	53	0.07	< 20	< 1	< 2	< 10	80	13	8	9
905993	< 10	0.20	0.010	0.009	14.2	9	1	< 1	< 0.01	< 20	< 1	< 2	< 10	11	< 10	< 1	6
905994	< 10	0.73	0.258	0.050	0.29	10	4	106	0.16	< 20	< 1	< 2	< 10	81	< 10	6	4
905995	< 10	0.01	0.013	0.008	< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	< 1
GKSS-01	< 10	0.72	0.031	0.104	0.15	5	16	11	0.06	< 20	< 1	< 2	< 10	65	< 10	13	5
GKSS-02	< 10	0.70	0.044	0.058	0.12	6	9	20	0.09	< 20	< 1	< 2	< 10	52	< 10	17	4
GKSS-03	< 10	0.29	0.021	0.042	0.09	19	10	10	0.03	< 20	< 1	< 2	< 10	42	< 10	23	9
GKSS-04	< 10	1.53	0.033	0.060	0.08	4	15	17	0.10	< 20	4	< 2	< 10	146	< 10	12	5
GKSS-05	< 10	1.53	0.026	0.069	0.14	5	15	9	0.08	< 20	< 1	< 2	< 10	131	< 10	10	4
GKSS-06	21	0.32	0.018	0.058	0.39	6	8	6	< 0.01	< 20	< 1	< 2	< 10	23	19	35	3
GKSS-07	< 10	0.43	0.021	0.082	0.25	7	12	7	0.12	< 20	< 1	< 2	< 10	81	< 10	9	6

Analyte Symbol	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	g/tonne	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.03	3	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA- GRA	FA- GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
MP-1b Meas			45.2	466	> 10000		167		> 5000	> 10000		> 10000				791	2.18			5.88			
MP-1b Cert			47.0	527.00 00	30700		285		20900	167000		23000.00				954.00 00	2.47			8.19			
OxQ75 Meas	49.9	149																					
OxQ75 Cert	50.0	153.9																					
OxQ75 Meas	50.0	161																					
OxQ75 Cert	50.0	153.9																					
OREAS 904 (Aqua Regia) Meas			0.2	< 0.5	5960	435	2	33	17	29	1.49	87		67	7.0	< 2	0.04	84	23	5.15	< 10		0.77
OREAS 904 (Aqua Regia) Cert			0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603
OREAS 904 (Aqua Regia) Meas			0.2	0.5	5870	426	3	33	9	22	1.79	89		72	7.0	< 2	0.04	84	25	5.12	< 10		0.90
OREAS 904 (Aqua Regia) Cert			0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603
OREAS 904 (Aqua Regia) Meas			< 0.2	< 0.5	6530	465	2	36	10	22	1.83	93		77	7.6	< 2	0.04	91	26	5.59	< 10		0.92
OREAS 904 (Aqua Regia) Cert			0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603
OREAS 45e (Aqua Regia) Meas					709	389		402	7	28	3.34	9		109			0.03	38	816	18.2	10		0.06
OREAS 45e (Aqua Regia) Cert					709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053
OREAS 45e (Aqua Regia) Meas					703	383		395	8	28	3.16	7		108			0.03	35	819	18.1	10		0.06
OREAS 45e (Aqua Regia) Cert					709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053
OREAS 45e (Aqua Regia) Meas					740	408		419	12	30	3.70	9		115			0.03	38	846	19.0	10		0.06
OREAS 45e (Aqua Regia) Cert					709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053
SQ47 Meas	39.3	120																					
SQ47 Cert	39.9	122.3																					
SQ47 Meas	39.6	132																					
SQ47 Cert	39.9	122.3																					
OREAS 922 (AQUA REGIA) Meas			1.6	< 0.5	2280	787	< 1	36	64	258	2.61	7		77	0.7	5	0.40	17	46	4.59	< 10		0.47
OREAS 922 (AQUA REGIA) Cert			0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376
OREAS 922 (AQUA REGIA) Meas			0.9	< 0.5	2470	833	1	40	63	269	2.84	13		77	0.7	5	0.43	18	51	4.69	< 10		0.50
OREAS 922 (AQUA REGIA) Cert			0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376
OREAS 922 (AQUA REGIA) Meas			0.9	< 0.5	2430	836	2	40	62	268	2.82	11		79	0.7	6	0.42	18	50	4.73	< 10		0.50
OREAS 922 (AQUA REGIA)			0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376

Analyte Symbol	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	g/tonne	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%
Lower Limit	0.03	3	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA- GRA	FA- GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 923 (AQUA REGIA) Meas			1.7	< 0.5	4520	912	< 1	34	87	336	2.65	10		59	0.6	14	0.40	19	43	5.27	< 10		0.38
OREAS 923 (AQUA REGIA) Cert			1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322
OREAS 923 (AQUA REGIA) Meas			1.5	< 0.5	4450	911	< 1	33	91	336	2.81	8		64	0.6	10	0.42	19	43	5.20	< 10		0.43
OREAS 923 (AQUA REGIA) Cert			1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322
OREAS 923 (AQUA REGIA) Meas			1.6	< 0.5	4650	941	1	34	92	354	2.86	5		64	0.7	9	0.42	21	45	5.41	< 10		0.42
OREAS 923 (AQUA REGIA) Cert			1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322
OREAS 520 (Aqua Regia) Meas					2800	2020	54	70	11	19	1.39	135			0.5	< 2	3.39	165	34	13.0	10		0.47
OREAS 520 (Aqua Regia) Cert					2960	2280	62.0	73.0	5.22	20.7	1.56	152			0.540	2.90	3.84	196	37.4	15.74	13.7		0.506
OREAS 520 (Aqua Regia) Meas					2700	1980	52	70	7	18	1.36	140			0.5	< 2	3.36	161	33	12.7	10		0.45
OREAS 520 (Aqua Regia) Cert					2960	2280	62.0	73.0	5.22	20.7	1.56	152			0.540	2.90	3.84	196	37.4	15.74	13.7		0.506
OREAS 520 (Aqua Regia) Meas					2780	1990	53	72	12	17	1.38	137			0.5	< 2	3.41	163	34	12.8	10		0.46
OREAS 520 (Aqua Regia) Cert					2960	2280	62.0	73.0	5.22	20.7	1.56	152			0.540	2.90	3.84	196	37.4	15.74	13.7		0.506
OREAS 520 (Aqua Regia) Meas					2860	2100	54	71	14	20	1.48	139			0.5	< 2	3.52	170	39	13.6	10		0.49
OREAS 520 (Aqua Regia) Cert					2960	2280	62.0	73.0	5.22	20.7	1.56	152			0.540	2.90	3.84	196	37.4	15.74	13.7		0.506
OREAS 907 (Aqua Regia) Meas			1.3	0.9	6280	339	5	2	36	142	1.05	34		214	1.0	17	0.28	43	9	6.81	20		0.35
OREAS 907 (Aqua Regia) Cert			1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286
OREAS 907 (Aqua Regia) Meas			1.1	< 0.5	6300	347	6	5	34	145	1.19	38		225	1.0	10	0.28	43	9	6.89	20		0.38
OREAS 907 (Aqua Regia) Cert			1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286
OREAS 907 (Aqua Regia) Meas			1.2	0.7	6790	365	6	4	35	153	1.21	35		235	1.1	9	0.29	46	10	7.34	20		0.38
OREAS 907 (Aqua Regia) Cert			1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286
Oreas 621 (Aqua Regia) Meas			75.4	266	3820	560	13	27	> 5000	> 10000	1.61	80			0.5	< 2	1.72	30	33	3.10	< 10	4	0.36
Oreas 621 (Aqua Regia) Cert			68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333
Oreas 621 (Aqua Regia) Meas			72.9	266	3630	545	12	26	> 5000	> 10000	1.61	76			0.5	< 2	1.69	28	32	3.02	< 10	3	0.36

Analyte Symbol	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	g/tonne	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.03	3	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA- GRA	FA- GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert			68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333
Oreas 621 (Aqua Regia) Meas			73.7	258	3620	554	15	29	> 5000	> 10000	1.70	77			0.5	< 2	1.68	28	34	3.04	< 10	4	0.38
Oreas 621 (Aqua Regia) Cert			68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333
905964 Orig			0.8	< 0.5	77	70	32	2	288	289	0.23	425	< 10	21	< 0.5	4	< 0.01	< 1	50	4.39	< 10	< 1	0.12
905964 Dup			0.7	< 0.5	76	67	32	2	289	287	0.24	427	< 10	21	< 0.5	< 2	< 0.01	< 1	41	4.32	< 10	< 1	0.12
905978 Orig			< 0.2	< 0.5	212	440	18	11	3	33	3.16	134	< 10	21	< 0.5	< 2	2.29	28	52	5.06	< 10	< 1	0.11
905978 Dup			< 0.2	< 0.5	215	449	18	12	5	31	3.21	134	< 10	22	< 0.5	< 2	2.36	28	57	5.11	< 10	< 1	0.12
905991 Orig			0.3	0.6	107	5930	21	11	13	80	1.79	< 2	< 10	14	< 0.5	5	4.91	8	25	8.11	< 10	2	0.04
905991 Dup			0.4	< 0.5	105	5860	20	7	12	81	1.79	4	< 10	14	< 0.5	4	4.87	7	24	8.01	< 10	< 1	0.04
GKSS-07 Orig	< 0.03	25	3.5	< 0.5	676	2560	5	5	42	83	1.85	114	< 10	13	< 0.5	6	0.27	34	14	16.1	< 10	< 1	0.08
GKSS-07 Split PREP DUP	< 0.03	22	3.8	< 0.5	690	2630	4	13	49	77	1.83	117	< 10	14	< 0.5	6	0.28	37	15	16.4	< 10	< 1	0.08
Method Blank			< 0.2	< 0.5	1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01
Method Blank			< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01
Method Blank			< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01
Method Blank			< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01
Method Blank			< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01
Method Blank	< 0.03	< 3																					
Method Blank	< 0.03	< 3																					

Analyte Symbol	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
MP-1b Meas		0.02			7.81										> 200		
MP-1b Cert		0.024			13.79										1100.000		
OxQ75 Meas																	
OxQ75 Cert																	
OxQ75 Meas																	
OxQ75 Cert																	
OREAS 904 (Aqua Regia) Meas	39	0.17		0.090	0.04	2	4	19		< 20		< 2	< 10	29			19
OREAS 904 (Aqua Regia) Cert	33.9	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 904 (Aqua Regia) Meas	39	0.19		0.091	0.04	2	5	20		< 20		< 2	< 10	32			19
OREAS 904 (Aqua Regia) Cert	33.9	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 904 (Aqua Regia) Meas	43	0.19		0.098	0.04	3	5	21		< 20		< 2	< 10	33			21
OREAS 904 (Aqua Regia) Cert	33.9	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 45e (Aqua Regia) Meas		0.09	0.033	0.027	0.04		75	4		< 20		< 2	< 10	268			4
OREAS 45e (Aqua Regia) Cert		0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
OREAS 45e (Aqua Regia) Meas		0.09	0.030	0.026	0.03		76	4		< 20		< 2	< 10	268			5
OREAS 45e (Aqua Regia) Cert		0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
OREAS 45e (Aqua Regia) Meas		0.10	0.035	0.028	0.04		80	5		< 20		< 2	< 10	277			5
OREAS 45e (Aqua Regia) Cert		0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
SQ47 Meas																	
SQ47 Cert																	
SQ47 Meas																	
SQ47 Cert																	
OREAS 922 (AQUA REGIA) Meas	37	1.28	0.030	0.060	0.37	2	4	17		< 20		< 2	< 10	36	< 10	20	23
OREAS 922 (AQUA REGIA) Cert	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	40	1.35	0.031	0.062	0.39	3	4	18		< 20		< 2	< 10	38	< 10	22	10
OREAS 922 (AQUA REGIA) Cert	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	40	1.37	0.031	0.063	0.39	3	4	18		< 20		< 2	< 10	37	< 10	22	29
OREAS 922 (AQUA REGIA) Cert	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3

Analyte Symbol	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Meas	35	1.40		0.058	0.68	2	4	15		< 20		< 2	< 10	34	< 10	18	31
OREAS 923 (AQUA REGIA) Cert	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	35	1.40		0.058	0.71	4	4	15		< 20		< 2	< 10	36	< 10	20	25
OREAS 923 (AQUA REGIA) Cert	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	37	1.44		0.061	0.71	3	4	16		< 20		< 2	< 10	37	< 10	20	37
OREAS 923 (AQUA REGIA) Cert	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 520 (Aqua Regia) Meas	68	1.02	0.063	0.066	0.88	6	11	31	0.15	< 20	< 1	< 2	11	226	30	12	32
OREAS 520 (Aqua Regia) Cert	83.0	1.14	0.0520	0.0740	1.03	1.97	11.8	36.0	0.135	8.03	0.33	0.0900	14.9	247	29.6	14.3	28.0
OREAS 520 (Aqua Regia) Meas	67	1.00	0.058	0.065	0.86	7	11	31	0.14	< 20	< 1	< 2	< 10	221	29	12	32
OREAS 520 (Aqua Regia) Cert	83.0	1.14	0.0520	0.0740	1.03	1.97	11.8	36.0	0.135	8.03	0.33	0.0900	14.9	247	29.6	14.3	28.0
OREAS 520 (Aqua Regia) Meas	64	1.00	0.062	0.064	0.87	9	11	28	0.14	< 20	< 1	< 2	10	224	27	12	31
OREAS 520 (Aqua Regia) Cert	83.0	1.14	0.0520	0.0740	1.03	1.97	11.8	36.0	0.135	8.03	0.33	0.0900	14.9	247	29.6	14.3	28.0
OREAS 520 (Aqua Regia) Meas	68	1.06	0.066	0.067	0.92	6	12	29	0.15	< 20	< 1	< 2	< 10	234	27	13	33
OREAS 520 (Aqua Regia) Cert	83.0	1.14	0.0520	0.0740	1.03	1.97	11.8	36.0	0.135	8.03	0.33	0.0900	14.9	247	29.6	14.3	28.0
OREAS 907 (Aqua Regia) Meas	40	0.21	0.096	0.023	0.06	5	3	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	42
OREAS 907 (Aqua Regia) Cert	36.1	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	40	0.22	0.100	0.022	0.06	6	3	14	0.02	< 20	< 1	< 2	< 10	7	< 10	8	10
OREAS 907 (Aqua Regia) Cert	36.1	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	43	0.23	0.106	0.024	0.07	8	3	15	0.03	< 20	2	< 2	< 10	7	< 10	9	37
OREAS 907 (Aqua Regia) Cert	36.1	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	19	0.43	0.182	0.033	4.72	101	2	18		< 20		< 2	< 10	13	< 10	8	60
Oreas 621 (Aqua Regia) Cert	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	20	0.42	0.181	0.033	4.69	108	2	19		< 20		< 2	< 10	13	< 10	8	63
Oreas 621 (Aqua Regia) Cert	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0

Analyte Symbol	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Meas	19	0.42	0.194	0.032	4.69	103	3	19		< 20		< 2	< 10	13	< 10	8	65
Oreas 621 (Aqua Regia) Cert	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
905964 Orig	< 10	< 0.01	0.021	0.030	0.55	5	2	4	< 0.01	< 20	< 1	< 2	< 10	21	< 10	6	2
905964 Dup	< 10	< 0.01	0.021	0.030	0.54	5	2	4	< 0.01	< 20	< 1	< 2	< 10	21	< 10	6	2
905978 Orig	< 10	0.82	0.314	0.038	2.48	4	5	41	0.27	< 20	1	< 2	< 10	101	< 10	6	4
905978 Dup	< 10	0.83	0.318	0.039	2.47	4	5	43	0.28	< 20	6	< 2	< 10	105	< 10	6	4
905991 Orig	< 10	0.30	0.015	0.098	1.94	8	6	40	0.13	< 20	3	< 2	< 10	27	< 10	15	10
905991 Dup	< 10	0.29	0.015	0.096	1.93	7	6	39	0.13	< 20	3	< 2	< 10	26	< 10	15	10
GKSS-07 Orig	< 10	0.43	0.021	0.082	0.25	7	12	7	0.12	< 20	< 1	< 2	< 10	81	< 10	9	6
GKSS-07 Split PREP DUP	< 10	0.44	0.022	0.086	0.26	8	12	8	0.13	< 20	< 1	< 2	< 10	83	< 10	10	6
Method Blank	< 10	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 10	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 10	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 10	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 10	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																	
Method Blank																	



Renaissance Geosciences
 680 Dairy Road
 Kamloops B.C. V2B8N5
 Canada

Report No.: A19-13197
 Report Date: 09-Oct-19
 Date Submitted: 27-Sep-19
 Your Reference: Moffatt-Wonder

ATTN: Leo Lindinger

CERTIFICATE OF ANALYSIS

50 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Kamloops	QOP AA-Au (Au - Fire Assay AA)	2019-10-04 18:10:19
1A3-Kamloops	QOP AA-Au (Au - Fire Assay Gravimetric)	2019-10-09 14:59:49
1E3-Kamloops	QOP AquaGeo (Aqua Regia ICPOES)	2019-10-07 15:34:59

REPORT A19-13197

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Insufficient material for sample GKSS-07 and 905994

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
 Quality Control Coordinator

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Analyte Symbol	Ag	Au	Ag	Au
Unit Symbol	ppm	ppb	ppm	g/tonne
Lower Limit		5	0.2	0.03
Method Code	ICP-OES	FA-AA	AR-ICP	FA-GRA
905951		27	41.4	
905952		63	7.5	
905953		28	5.9	
905954		29	1.6	
905955		149	0.5	
905956		61	1.0	
905957		33	0.3	
905958		9	< 0.2	
905959		34	0.7	
905960		50	< 0.2	
905961		97	< 0.2	
905962		63	< 0.2	
905963		46	0.6	
905964		273	0.7	
905965		42	0.4	
905966		67	< 0.2	
905967		26	< 0.2	
905968		25	< 0.2	
905969		54	0.3	
905970		411	0.2	
905971		48	0.3	
905972		12	< 0.2	
905973		37	< 0.2	
905974		158	0.3	
905975		19	< 0.2	
905976		13	< 0.2	
905977		7	0.4	
905978		< 5	< 0.2	
905979		> 5000	14.0	5.50
905980		6	< 0.2	
905981		> 5000	19.2	8.90
905982		156	2.3	
905983		112	3.0	
905984		113	1.2	
905985		2160	12.7	
905988		121	2.5	
905989		92	2.1	
905990		206	< 0.2	
905991		930	0.5	
905992		256	< 0.2	
905993		773	53.3	
905994		> 5000	96.0	
905995		19	< 0.2	
GKSS-01		81	4.2	
GKSS-02		65	2.2	
GKSS-03		75	4.3	
GKSS-04		171	2.3	
GKSS-05		15	3.3	
GKSS-06		49	2.0	
GKSS-07				

Analyte Symbol	Ag	Au	Ag	Au
Unit Symbol	ppm	ppb	ppm	g/tonne
Lower Limit	3	5	0.2	0.03
Method Code	ICP-OES	FA-AA	AR-ICP	FA-GRA
OREAS 134b (AQUA REGIA) Meas	208			
OREAS 134b (AQUA REGIA) Cert	204			
MP-1b Meas			51.5	
MP-1b Cert			47.0	
CZN-4 Meas	49			
CZN-4 Cert	51			
OREAS 904 (Aqua Regia) Meas			0.3	
OREAS 904 (Aqua Regia) Cert			0.366	
SQ48 Meas				30.2
SQ48 Cert				30.25
OREAS 922 (AQUA REGIA) Meas			0.8	
OREAS 922 (AQUA REGIA) Cert			0.851	
OREAS 923 (AQUA REGIA) Meas			1.6	
OREAS 923 (AQUA REGIA) Cert			1.62	
PTC-1b Meas	51			
PTC-1b Cert	53			
OREAS 907 (Aqua Regia) Meas			1.2	
OREAS 907 (Aqua Regia) Cert			1.30	
CCU-1e Meas	204			
CCU-1e Cert	205			
OREAS 222 (Fire Assay) Meas		1180		
OREAS 222 (Fire Assay) Cert		1220		
OREAS 222 (Fire Assay) Meas		1210		
OREAS 222 (Fire Assay) Cert		1220		
OREAS 222 (Fire Assay) Meas		1220		
OREAS 222 (Fire Assay) Cert		1220		
Oreas 621 (Aqua Regia) Meas	67		67.3	
Oreas 621 (Aqua Regia) Cert	68.0		68.0	
OREAS 257 Meas				14.1
OREAS 257 Cert				14.18
OREAS 255 (Fire		4100		

Analyte Symbol	Ag	Au	Ag	Au
Unit Symbol	ppm	ppb	ppm	g/tonne
Lower Limit	3	5	0.2	0.03
Method Code	ICP-OES	FA-AA	AR-ICP	FA-GRA
Assay) Meas				
OREAS 255 (Fire Assay) Cert		4080		
OREAS 255 (Fire Assay) Meas		4070		
OREAS 255 (Fire Assay) Cert		4080		
OREAS 255 (Fire Assay) Meas		3940		
OREAS 255 (Fire Assay) Cert		4080		
905951 Orig		27		
905951 Dup		27		
905960 Orig			< 0.2	
905960 Dup			< 0.2	
905963 Orig		45		
905963 Dup		46		
905975 Orig			< 0.2	
905975 Dup			< 0.2	
905976 Orig		15		
905976 Dup		11		
905988 Orig		127		
905988 Dup		115		
905989 Orig			2.1	
905989 Dup			2.1	
GKSS-05 Orig		14		
GKSS-05 Dup		15		
Method Blank	< 3			
Method Blank		< 5		
Method Blank		< 5		
Method Blank		< 5		
Method Blank		< 5		
Method Blank		5		
Method Blank		< 5		
Method Blank			< 0.2	

APPENDIX B – Table 3 – Sample Locations, Descriptions and Analytical Summary

TABLE 3 - SAMPLE LOCATIONS, DESCRIPTIONS AND ANALYTICAL SUMMARY

ELEMENT					
REPORTING UNIT					
DETECTION LIMIT					
ANALYTICAL METHOD					
SAMP ID	EASTING	NORTHING	GPS ELEV.	ZONE	COMMENTS
905951	506350	5600728	1930	Avalanche	"New showing. Deformed marble. Late stage cpy veining in shear.
905952	506380	5600710	1923	Avalanche	"Second trench" Sulphide mineralized mafic dyke.
905953	506369	5600706	1927	Avalanche	Old Trench. Schistose limestone with marble stringers.
905954	506308	5600705	1932	Avalanche	Mineralized shear zone.
905955	506332	5600782	1920	Avalanche	Sulphidic mafic schist.
905956	506326	5600816	1913	Avalanche	Rusty oxidized sulphidic schist
905957	506310	5600878	1907	Avalanche	Rusty oxidized sulphidic schist
905958	506056	5600905	1897	Avalanche	Rusty oxidized sulphidic schist
905959	506238	5600912	1895	Avalanche	Rusty oxidized sulphidic schist
905960	506088	5600869	1896	Avalanche	Rusty oxidized sulphidic schist
905961	506095	5600872	1906	Avalanche	Float sample. Sulphidic schist. Possible trace sphalerite
905962	506056	5600840	1914	Avalanche	OC. Weakly sulphidic schist.
905963	506032	5600828	1913	Avalanche	Massive ferricrete in fracture
905964	505998	5600826	1914	Avalanche	Trench. Hydrothermally brecciated schist with QC, clay and minor sulphides
905965	506102	5600705	1915	Avalanche	OC. Clay altered sulphidic sericite schist.
905966	506112	5600686	1920	Avalanche	OC Felsic quartz eye porphyry schist.
905967	506898.5	5600009	1935.5	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905968	506700	5600009.9	1938	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905969	506700.6	5600010.2	1937.5	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905970	506700.8	5600012.6	1936	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905971	506697	5599989.7	1936.7	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905972	506705	5600003	1933.7	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905973	506700	5600020.7	1935.2	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905974	506702	5599995	1937	Avalanche	Ferricrete fracture filling
905975	506703	5599990	1939	Avalanche	Brown weathering siliceous fine grained sulphidic schist.
905976	506759	5600014	1919	Avalanche	Ferricrete soil
905977	506808	5600030	1900	Avalanche	Ferricrete soil
905978	507569	5596001	1896	Gold King	Fine grained weakly sulphidic hornfels
905979	507558	5595954	1933	Gold King	Massive black skarn.
905980	507552	5595970	1924	Gold King	Silicious cherty hornfels with fine grained disseminated sulphides.
905981	507546	5595903	1932	Gold King	Gold King Showing. 1 m wide TW.
905982	507550	5595880	1934	Gold King	Sulphidic skarn 2 m wide TW 20+% py + asp
905983	507555	5595753	1934	Gold King	Subcrop. Dark skarn, 40 cm chip.
905984	507949	5595752	2007	Gold King	Float sample. Sulphidic fractured intrusive.
905985	507911	5596497	1946	Gold King	Old Adit with wheelbarrow (no 4 zone). Semi massive pyritic skarn with strong Asp smell.
905988	507618	5596061	1861	Gold King	Melanocratic brecciated magnetic skarn. Semi massive ~12% sulphides and magnetite. 1.3 m chip sample.
905989	507618	5596062	1861	Gold King	Melanocratic brecciated magnetic skarn. Semi massive ~12% sulphides and magnetite. 1.2 m vertical sample at N end of sample 988.
905990	507501	5596190	1880	Gold King	North striking skarn zone. 50 cm channel sample.
905991	507495	5596211	1879	Gold King	5 M thick skarn zone. Late semi crosscutting minerazation is subvertical.
905992	507457	5596226	1893	Gold King	7 m thick skarn zone. Sampled accross middle 1.5 m of zone. TW 0.75 m.
905993	507434	5596329	1869	Gold King	GK North Zone. 40 m NS by 15 EW continuation of massive sulphide zone." Float sample.
905994	STANDARD PM 925				
905995	BLANK - CEMENT SAND				
GKSS-01	507888	5595830	1966	Gold King	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-02	507941	5595776	1998	Gold King	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-03	507948	5595766	2002	Gold King	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-04	507966	5595862	2019	Gold King	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-05	507967	5595888	2013	Gold King	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-06	508093	5596198	2010	Gold King	Talus Fines Sample. Sulphidic fractured intrusive host rock
GKSS-07	507375	5596329	1930	Gold King	Talus Fines Sample. Sulphidic fractured intrusive and skarn host rock. South of DH 08-03
NOTES	ALL ELEMENTS ARE REPORTED IN PPM or G/T, CO-ORDINATES are UTM ZONE 10 WGS 84.				

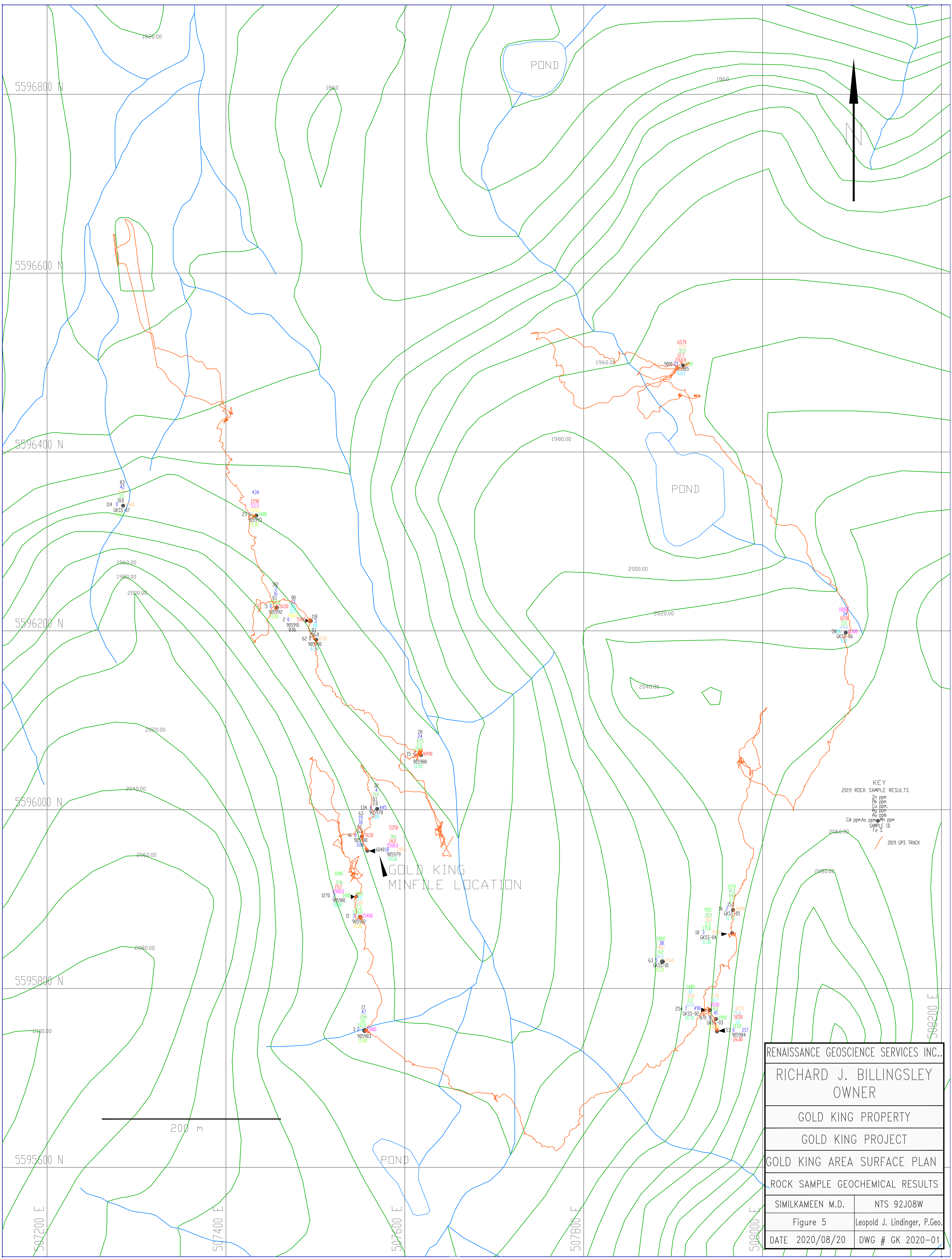
TABLE 3 - SAMPLE LOCATIONS, DESCRIPTIONS AND ANALYTICAL SUMMARY

ELEMENT					Ag	Au	Ag	Au	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	
REPORTING UNIT					ppm	ppb	ppm	g/tonne	g/tonne	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
DETECTION LIMIT					2	5	0.2	0.03	0.03	3	0.2	0.5	1	5	1	1	2	2	0.01	
ANALYTICAL METHOD					ICP-OES	FA-AA	AR-ICP	FA-GRA	FA-GRA	FA-GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	
SAMP ID	EASTING	NORTHING	GPS ELEV.	ZONE																
905951	506350	5600728	1930	Avalanche		27	41.4				42.2	353	> 10000	2070	5	2	283	> 10000	0.18	
905952	506380	5600710	1923	Avalanche		63	7.5				6.8	0.8	> 10000	1480	48	4	6	308	2.18	
905953	506369	5600706	1927	Avalanche		28	5.9				6.2	138	> 10000	1140	3	7	5	> 10000	0.89	
905954	506308	5600705	1932	Avalanche		29	1.6				1.7	< 0.5	381	699	11	2	64	345	0.47	
905955	506332	5600782	1920	Avalanche		149	0.5				0.4	0.5	159	1360	2	3	31	130	1.43	
905956	506326	5600816	1913	Avalanche		61	1				1	2.5	163	333	44	1	26	799	0.62	
905957	506310	5600878	1907	Avalanche		33	0.3				0.3	< 0.5	50	258	7	3	14	56	0.5	
905958	506056	5600905	1897	Avalanche		9	< 0.2				< 0.2	< 0.5	13	231	2	5	7	69	0.4	
905959	506238	5600912	1895	Avalanche		34	0.7				0.6	< 0.5	17	489	7	4	15	50	0.56	
905960	506088	5600869	1896	Avalanche		50	< 0.2				< 0.2	< 0.5	9	439	3	< 1	34	82	0.34	
905961	506095	5600872	1906	Avalanche		97	< 0.2				< 0.2	< 0.5	3	426	3	1	86	54	0.49	
905962	506056	5600840	1914	Avalanche		63	< 0.2				< 0.2	< 0.5	33	258	6	4	76	301	0.36	
905963	506032	5600828	1913	Avalanche		46	0.6				0.5	< 0.5	304	86	2	7	660	253	0.36	
905964	505998	5600826	1914	Avalanche		273	0.7				0.8	< 0.5	76	68	32	2	288	288	0.24	
905965	506102	5600705	1915	Avalanche		42	0.4				0.5	< 0.5	32	67	2	< 1	56	32	0.37	
905966	506112	5600686	1920	Avalanche		67	< 0.2				< 0.2	< 0.5	5	442	1	2	16	121	0.43	
905967	506898.5	5600009	1935.5	Avalanche		26	< 0.2				< 0.2	< 0.5	66	725	4	< 1	10	163	1.62	
905968	506700	5600009.9	1938	Avalanche		25	< 0.2				< 0.2	2.5	62	996	6	3	9	541	1.96	
905969	506700.6	5600010.2	1937.5	Avalanche		54	0.3				0.2	< 0.5	93	466	3	2	5	274	1.15	
905970	506700.8	5600012.6	1936	Avalanche		411	0.2				< 0.2	< 0.5	74	64	6	3	2	129	0.47	
905971	506697	5599989.7	1936.7	Avalanche		48	0.3				< 0.2	0.6	108	1150	2	< 1	5	396	1.9	
905972	506705	5600003	1933.7	Avalanche		12	< 0.2				< 0.2	< 0.5	10	1330	3	4	4	179	2.3	
905973	506700	5600020.7	1935.2	Avalanche		37	< 0.2				< 0.2	< 0.5	27	107	4	2	4	66	0.59	
905974	506702	5599995	1937	Avalanche		158	0.3				< 0.2	< 0.5	54	27	2	9	4	34	0.31	
905975	506703	5599990	1939	Avalanche		19	< 0.2				< 0.2	< 0.5	25	863	< 1	2	4	168	1.21	
905976	506759	5600014	1919	Avalanche		13	< 0.2				< 0.2	< 0.5	22	323	1	4	< 2	59	1.4	
905977	506808	5600030	1900	Avalanche		7	0.4				0.4	0.5	81	< 5	< 1	2	4	36	0.22	
905978	507569	5596001	1896	Gold King		< 5	< 0.2		< 0.03	24	< 0.2	< 0.5	214	445	18	12	4	32	3.18	
905979	507558	5595954	1933	Gold King		5500	14	5.5	5.2	37	15.4	18.2	361	2850	1560	21	3380	5350	0.76	
905980	507552	5595970	1924	Gold King		6	< 0.2		< 0.03	24	< 0.2	< 0.5	18	7650	212	6	19	63	0.82	
905981	507546	5595903	1932	Gold King		8900	19.2	8.9	7.56	56	21.9	2.1	236	1400	19	1	> 5000	1040	0.65	
905982	507550	5595880	1934	Gold King		156	2.3		< 0.03	12	1.7	3.6	528	15400	< 1	6	59	993	1.13	
905983	507555	5595753	1934	Gold King		112	3		< 0.03	13	3	< 0.5	266	11800	< 1	17	47	17	0.26	
905984	507949	5595752	2007	Gold King		113	1.2		< 0.03	35	1	< 0.5	1650	217	4	3	41	490	0.43	
905985	507911	5596497	1946	Gold King		2160	12.7		1.58	45	13.2	23.6	353	1710	4	5	779	6570	0.41	
905988	507618	5596061	1861	Gold King		121	2.5		< 0.03	22	2.4	< 0.5	475	8490	2	5	24	28	0.44	
905989	507618	5596062	1861	Gold King																
						92	2.1		< 0.03	25	1.5	< 0.5	310	8660	1	4	21	15	0.31	
905990	507501	5596190	1880	Gold King		206	< 0.2		< 0.03	25	< 0.2	0.6	80	4510	4	11	3	118	1.62	
905991	507495	5596211	1879	Gold King		930	0.5		0.92	26	0.4	< 0.5	106	5900	20	9	13	80	1.79	
905992	507457	5596226	1893	Gold King		256	< 0.2		< 0.03	27	< 0.2	< 0.5	16	5650	5	9	< 2	102	1.68	
905993	507434	5596329	1869	Gold King		773	53.3		< 0.03	145	47.6	1.7	1590	1480	16	16	3270	434	0.45	
905994		STANDARD PM 925					> 5000	96		10.8	187	> 100	< 0.5	128	690	8	16	21	58	1.91
905995		BLANK - CEMENT SAND					19	< 0.2		< 0.03	49	< 0.2	< 0.5	< 1	14	< 1	1	< 2	< 2	0.06
GKSS-01	507888	5595830	1966	Gold King		81	4.2		< 0.03	10	3.8	5.9	887	2760	11	9	38	1460	2.65	63
GKSS-02	507941	5595776	1998	Gold King		65	2.2		< 0.03	19	2	7.2	858	3270	11	5	61	1440	2.71	254
GKSS-03	507948	5595766	2002	Gold King		75	4.3		< 0.03	26	3.6	8	2030	1950	14	9	67	2170	2.13	870
GKSS-04	507966	5595862	2019	Gold King		171	2.3		< 0.03	25	1.9	3.3	503	3530	< 1	9	203	955	3.58	18
GKSS-05	507967	5595888	2013	Gold King		15	3.3		< 0.03	29	2.8	2.9	448	3480	1	11	413	1270	3.3	16
GKSS-06	508093	5596198	2010	Gold King		49	2		< 0.03	28	1.6	86.5	1070	11300	5	3	34	> 10000	2.63	58
GKSS-07	507375	5596329	1930	Gold King					< 0.03	25	3.5	< 0.5	676	2560	5	5	42	83	1.85	114
NOTES	ALL ELEMENTS ARE REPORTED IN PPM or G/T, CC																			

TABLE 3 - SAMPLE LOCATIONS, DESCRIPTIONS AND ANALYTICAL SUMMARY

ELEMENT				S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	
REPORTING UNIT				%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
DETECTION LIMIT				0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
ANALYTICAL METHOD				AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	
SAMP ID	EASTING	NORTHING	GPS ELEV.	ZONE													
905951	506350	5600728	1930	Avalanche	3.11	257	< 1	45	< 0.01	< 20	1	< 2	< 10	5	< 10	20	1
905952	506380	5600710	1923	Avalanche	9.24	6	< 1	2	< 0.01	< 20	5	< 2	< 10	28	< 10	3	3
905953	506369	5600706	1927	Avalanche	0.74	5	2	7	< 0.01	< 20	< 1	< 2	< 10	9	26	14	1
905954	506308	5600705	1932	Avalanche	0.1	4	2	1	< 0.01	< 20	2	< 2	< 10	5	< 10	13	2
905955	506332	5600782	1920	Avalanche	1.74	6	5	2	< 0.01	< 20	< 1	< 2	< 10	38	< 10	7	2
905956	506326	5600816	1913	Avalanche	1	4	3	4	< 0.01	< 20	2	< 2	< 10	18	< 10	5	2
905957	506310	5600878	1907	Avalanche	1.68	3	2	8	0.06	< 20	5	< 2	< 10	10	< 10	< 1	2
905958	506056	5600905	1897	Avalanche	4.85	3	8	4	0.08	< 20	< 1	< 2	< 10	48	< 10	7	3
905959	506238	5600912	1895	Avalanche	8.32	3	1	2	< 0.01	< 20	< 1	< 2	< 10	11	< 10	2	3
905960	506088	5600869	1896	Avalanche	0.83	< 2	2	3	< 0.01	< 20	< 1	< 2	< 10	5	< 10	7	1
905961	506095	5600872	1906	Avalanche	0.1	< 2	2	6	< 0.01	< 20	< 1	< 2	< 10	6	< 10	6	< 1
905962	506056	5600840	1914	Avalanche	1.06	2	4	2	< 0.01	< 20	< 1	< 2	< 10	7	< 10	6	1
905963	506032	5600828	1913	Avalanche	0.34	8	2	2	< 0.01	< 20	< 1	< 2	< 10	26	< 10	2	7
905964	505998	5600826	1914	Avalanche	0.55	5	2	4	< 0.01	< 20	< 1	< 2	< 10	21	< 10	6	2
905965	506102	5600705	1915	Avalanche	0.06	< 2	1	2	< 0.01	< 20	1	< 2	< 10	3	< 10	7	< 1
905966	506112	5600686	1920	Avalanche	0.87	< 2	3	3	< 0.01	< 20	< 1	< 2	< 10	8	< 10	11	1
905967	506898.5	5600009.9	1935.5	Avalanche	0.21	4	7	62	0.14	< 20	4	< 2	< 10	80	< 10	5	5
905968	506700	5600009.9	1938	Avalanche	0.48	4	11	77	0.17	< 20	2	< 2	< 10	120	< 10	6	6
905969	506700.6	5600010.2	1937.5	Avalanche	0.15	4	6	16	0.08	< 20	2	< 2	< 10	92	< 10	2	4
905970	506700.8	5600012.6	1936	Avalanche	0.15	4	2	4	< 0.01	< 20	4	< 2	< 10	23	< 10	2	3
905971	506697	5599989.7	1936.7	Avalanche	0.31	4	9	72	0.22	< 20	10	< 2	< 10	104	< 10	4	8
905972	506705	5600003	1933.7	Avalanche	0.14	5	11	70	0.24	< 20	2	< 2	< 10	75	< 10	6	6
905973	506700	5600020.7	1935.2	Avalanche	0.65	< 2	3	4	0.02	< 20	5	< 2	< 10	31	< 10	3	3
905974	506702	5599995	1937	Avalanche	0.39	9	1	2	0.01	< 20	14	2	< 10	40	< 10	< 1	7
905975	506703	5599990	1939	Avalanche	1.7	4	11	40	0.25	< 20	2	< 2	< 10	67	< 10	7	6
905976	506759	5600014	1919	Avalanche	0.33	< 2	6	6	< 0.01	< 20	< 1	< 2	< 10	20	< 10	4	1
905977	506808	5600030	1900	Avalanche	0.51	17	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	110	< 10	< 1	11
905978	507569	5596001	1896	Gold King	2.48	4	5	42	0.28	< 20	3	< 2	< 10	103	< 10	6	4
905979	507558	5595954	1933	Gold King	9.2	17	2	3	< 0.01	< 20	< 1	< 2	< 10	32	< 10	4	6
905980	507552	5595970	1924	Gold King	0.04	4	9	49	< 0.01	< 20	< 1	< 2	< 10	19	< 10	11	2
905981	507546	5595903	1932	Gold King	0.86	18	2	2	< 0.01	< 20	< 1	< 2	< 10	19	< 10	7	7
905982	507550	5595880	1934	Gold King	10.9	8	4	3	0.03	< 20	< 1	< 2	< 10	39	< 10	5	9
905983	507555	5595753	1934	Gold King	7.97	8	1	7	< 0.01	< 20	< 1	< 2	< 10	8	< 10	5	5
905984	507949	5595752	2007	Gold King	0.63	9	3	< 1	0.05	< 20	< 1	< 2	< 10	31	< 10	3	9
905985	507911	5596497	1946	Gold King	4.89	9	1	9	< 0.01	< 20	2	< 2	< 10	11	< 10	< 1	3
905988	507618	5596061	1861	Gold King	2.74	5	1	4	0.02	< 20	< 1	< 2	< 10	14	< 10	2	4
905989	507618	5596062	1861	Gold King	1.46	6	< 1	5	0.01	< 20	< 1	< 2	< 10	11	< 10	2	4
905990	507501	5596190	1880	Gold King	1.48	6	4	45	0.14	< 20	< 1	< 2	< 10	23	< 10	18	10
905991	507495	5596211	1879	Gold King	1.94	7	6	39	0.13	< 20	3	< 2	< 10	27	< 10	15	10
905992	507457	5596226	1893	Gold King	0.58	9	9	53	0.07	< 20	< 1	< 2	< 10	80	13	8	9
905993	507434	5596329	1869	Gold King	14.2	9	1	< 1	< 0.01	< 20	< 1	< 2	< 10	11	< 10	< 1	6
905994	STANDARD PM 925				0.29	10	4	106	0.16	< 20	< 1	< 2	< 10	81	< 10	6	4
905995	BLANK - CEMENT SAND				< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	< 1
GKSS-01	507888	5595830	1966	Gold King	5	16	11	0.06	< 20	< 1	< 2	< 10	65	< 10	13	5	
GKSS-02	507941	5595776	1998	Gold King	6	9	20	0.09	< 20	< 1	< 2	< 10	52	< 10	17	4	
GKSS-03	507948	5595766	2002	Gold King	19	10	10	0.03	< 20	< 1	< 2	< 10	42	< 10	23	9	
GKSS-04	507966	5595862	2019	Gold King	4	15	17	0.1	< 20	4	< 2	< 10	146	< 10	12	5	
GKSS-05	507967	5595888	2013	Gold King	5	15	9	0.08	< 20	< 1	< 2	< 10	131	< 10	10	4	
GKSS-06	508093	5596198	2010	Gold King	6	8	6	< 0.01	< 20	< 1	< 2	< 10	23	19	35	3	
GKSS-07	507375	5596329	1930	Gold King	7	12	7	0.12	< 20	< 1	< 2	< 10	81	< 10	9	6	
NOTES	ALL ELEMENTS ARE REPORTED IN PPM OR G/T, CO																

APPENDIX C – Figures 5 and 6.



KEY
 2019 ROCK SAMPLE RESULTS
 Zn ppm
 Pb ppm
 Cu ppm
 Ag ppm
 Cd ppm
 Fe %
 SAMPLE ID
 2019 GPS TRACK

RENAISSANCE GEOSCIENCE SERVICES INC..	
RICHARD J. BILLINGSLEY OWNER	
GOLD KING PROPERTY	
GOLD KING PROJECT	
GOLD KING AREA SURFACE PLAN	
ROCK SAMPLE GEOCHEMICAL RESULTS	
SIMILKAMEEN M.D.	NTS 92J08W
Figure 5	Leopold J. Lindinger, P.Geo.
DATE 2020/08/20	DWG # GK 2020-01

