

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Assessment

TOTAL COST: 13,309.80

AUTHOR(S): Andris Kikauka P.Geo

SIGNATURE(S): Andris Kikauka

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

YEAR OF WORK: 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5757869

PROPERTY NAME: King

CLAIM NAME(S) (on which the work was done): King - 1063741, King-3 1067941

COMMODITIES SOUGHT: Gold, Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: King - 092HNE297, King 6 - 092HNE298, King 8 -092HNE299

MINING DIVISION: Nicola

NTS/BCGS: 092H089 & 92H090

LATITUDE: 49 ° 52 ' 42 " LONGITUDE: 120 ° 11 ' 42 " (at centre of work)

OWNER(S):

1) Andrew Molnar

2) _____

MAILING ADDRESS:

615-800 West Pender Street

Vancouver, BC V6C 2V6

OPERATOR(S) [who paid for the work]:

1) Rio Minerals Limited

2) _____

MAILING ADDRESS:

615-800 West Pender Street

Vancouver, BC V6C 2V6

The area is underlain by a narrow, north-south neck of the Pennask batholith approx. 5km wide and in contact on the east and west with volcanic and sedimentary rocks of the Nicola Group. Nicola group rocks consist of Late Triassic andesite to basalt flows and pyroclastics changing to facies to the east to a sequence of interbedded argillite, sandstone, tuff, and minor limestone.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

21922

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	_____	_____	_____
Photo interpretation	_____	_____	_____
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	_____	_____	_____
Electromagnetic	_____	_____	_____
Induced Polarization	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other	_____	_____	_____
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	_____	_____	_____
Silt	_____	_____	_____
Rock	09	1063741, 1067941	4,436.60
Other	_____	_____	_____
DRILLING (total metres; number of holes, size)			
Core	_____	_____	_____
Non-core	_____	_____	_____
RELATED TECHNICAL			
Sampling/assaying	09 rock samples	1063741, 1067941	4,436.60
Petrographic	_____	_____	_____
Mineralographic	_____	_____	_____
Metallurgic	_____	_____	_____
PROSPECTING (scale, area)	2000 meters sq.	1063741, 1067941	4,436.60
PREPARATORY / PHYSICAL			
Line/grid (kilometres)	_____	_____	_____
Topographic/Photogrammetric (scale, area)	_____	_____	_____
Legal surveys (scale, area)	_____	_____	_____
Road, local access (kilometres)/trail	_____	_____	_____
Trench (metres)	_____	_____	_____
Underground dev. (metres)	_____	_____	_____
Other	_____	_____	_____
		TOTAL COST:	13,309.80

ASSESSMENT REPORT ON THE KING PROJECT

Map sheet BCGS 092H.089 & 92H.090
49° 52' 33" Latitude 120° 11' 42" Longitude
UTM 10U 701575E, 5528695N

Nicola Mining Division
British Columbia, Canada

Prepared for:

Rio Minerals Ltd.
615-800 West Pender Street
Vancouver, BC V6C 2V6

Prepared by:

Andris Kikauka. P. Geo.
Rio Minerals Ltd.
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December 2019

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1 SUMMARY

This report describes the results of the silt sampling program performed on the King Property during the periods June 7 – 12, 2019. 21 silt samples were collected from 1st and 2nd order streams draining the central portions of the property.

The King Property is located 50 kilometres west of Kelowna, B.C., and is comprised of three MTO located mineral claims covering an area of 916 hectares in the Nicola Mining Division of British Columbia. The claims are located on NTS map sheets 92H.089 and 92H.090. The claims are owned 100 percent by Andrew Molnar of Vancouver, BC. Current exploration efforts are targeting gold-bearing structures in intrusive and volcanic rocks.

Highway 97C (Okanagan connector) transects the property providing excellent access. The physiography consists of a rolling plateau with abundant lakes and swamps and less than 5 percent bedrock exposure.

Previous work has been limited to copper exploration during the 1960's in areas to the northeast and northwest and recent gold exploration on properties to the west and south. The Siwash Gold Deposit currently owned by Almaden Minerals Ltd. is located four kilometres to the southwest, Siwash is a high-grade vein system which contains a drill indicated geological resource in excess of 200,000 ounces of gold with an average grade of 0.647 oz/ton Au using 6.6 feet true width.

The King property hosts a geological environment similar to that of the adjoining Elk (Siwash) property. It straddles a narrow north-south neck of granodiorite batholith in contact on either side with andesitic to basaltic volcanics grading on the east to sedimentary rocks and minor limestone. An aeromagnetic high coincides with the intrusive body.

Weakly mineralized gold-bearing quartz veins hosted by sheared, altered granite have been observed in rock cuts along the highway through the southern portion of the property. In the eastern portion of the property, siliceous volcanic rocks with disseminated arsenopyrite have returned anomalous gold values.

A programme conducted by Cordilleran Engineering in 1991 consisted of wide-spaced (400m x 50m) grid soil sampling over approximately one-half of the property for a total of 1074 samples. The samples were geochemically analyzed for gold, and fill-in sampling (50m x 50m) was conducted around those sites which yielded values greater than 20 ppb Au, adding another 135 samples.

During this program, scattered anomalous gold values were returned from the initial "first pass" sampling with the follow-up sampling programme confirming three of these anomalous returning additional values over distances of up to 150 meters and to a high of 91 ppb Au. Fifty percent of the property, underlain by a similar geological environment, remains to be sampled.

Gold-arsenopyrite mineralization is known to exist on the easternmost unsampled area, and silver-rich quartz veins have been found near the western unsampled area.

Rio Minerals Limited of Vancouver, BC conducted a six-day prospecting and sampling program during August of 2019, the results of which are presented in this report.

This report outlines geochemical data obtained as well as interpretation of the results. The cost of fieldwork carried out is filed for assessment work credits on the King Property mineral tenures. The total expenditures for this period are \$13,309.80. (See Section 13 – Statement of Costs for Cost Statement).

In order to continue to evaluate the economic potential of the King Property, a recommended program consisting of soil sampling, prospecting, and geological mapping and sampling is recommended on the property. The estimated budget for this program is \$77,564.00. These recommendations are based on the writer's interpretation of the data and are intended to serve as guidelines for future exploration and development of the King Property.

2 INTRODUCTION

This report was commissioned by Rio Minerals Ltd. (the “Company”), having offices at 615-800 West Pender Street, Vancouver, B.C. V6C 2V6 and prepared by Andris Kikauka, P. Geo. This Assessment Report was prepared for submittal to Mineral Titles, British Columbia.

In the preparation of this report, the author utilized both British Columbia and Federal Government of Canada geological maps, geological reports, and claim maps.

Information was also obtained from British Columbia Government websites such as the Map Place: www.empr.gov.bc.ca/Mining/Geoscience/MapPlace, Mineral Titles Online: www.mtonline.gov.bc.ca, and www.geosciencebc.com, as well as the mineral assessment work reports from the King Property area that have been historically filed by various companies.

The author reserves the right but will not be obliged; to revise the report and conclusions if additional information becomes known subsequent to the date of this report.

The information, opinions, and conclusions contained herein are based on:

- Information available to the author at the time of preparation of this report;
- Assumptions, conditions, and qualifications as set forth in this report;

2.1 Units and Measurements

Table 1: Definitions, Abbreviations, and Conversions

Units of Measure	Abbreviation	Units of Measure	Abbreviation
Above mean sea level	amsl	Micrometre (micron)	µm
Annum (year)	a	Miles per hour	mph
Billion years ago	Ga	Milligram	mg
Centimetre	cm	Milligrams per litre	mg/L
Cubic centimetre	cm ³	Millilitre	mL
Cubic metre	m ³	Millimetre	mm
Day	d	Million	M
Days per week	d/wk	Million tonnes	Mt
Days per year (annum)	d/a	Minute (plane angle)	'
Dead weight tonnes	DWT	Minute (time)	min
Degree	°	Month	mo
Degrees Celsius	°C	Ounce	oz.
Degrees Fahrenheit	°F	Parts per billion	ppb
Diameter	∅	Parts per million	ppm
Gram	g	Percent	%
Grams per litre	g/L	Pound(s)	lb.
Grams per tonne	g/t	Power factor	pF
Greater than	>	Specific gravity	SG
Hectare (10,000 m ²)	ha	Square centimetre	cm ²
Gram	g	Square inch	in ²
Grams per litre	g/L	Square kilometre	km ²
Grams per tonne	g/t	Square metre	m ²
Greater than	>	Thousand tonnes	kt
Kilo (thousand)	k	Tonne (1,000kg)	t
Kilogram	kg	Tonnes per day	t/d
Kilograms per cubic metre	kg/m ³	Tonnes per hour	t/h
Kilograms per hour	kg/h	Tonnes per year	t/a
Kilometre	km	Total dissolved solids	TDS
Kilometres per hour	km/h	Total suspended solids	TSS
Less than	<	Week	wk
Litre	L	Weight/weight	w/w
Litres per minute	L/m	Wet metric tonne	wmt
Metre	King	Yard	yd.
Metres above sea level	masl	Year (annum)	a
Metres per minute	m/min	Year	yr.
Metres per second	m/s		
Metric ton (tonne)	t		

3 PROPERTY DESCRIPTION AND LOCATION

The King Property consists of six non-surveyed mineral claims totalling 1894.62 hectares located on NTS map sheets 092H.089 and 92H.090 centered at Latitude 49° 55” Longitude 120° 51’. The claims are located within the Nicola Mining Division, of British Columbia. The Mineral claims are shown on Figure 2, and the claim details are illustrated in the following table:

Table 2: Property Tenure Information

Title Number	Claim Name	Owner	Title Type	Good To Date	Area (ha)
1063741	KING	118700 (100%)	Mineral	2021/DEC/16	83.2692
1067940	KING 2	118700 (100%)	Mineral	2021/DEC/16	416.3675
1067941	KING 3	118700 (100%)	Mineral	2021/DEC/16	416.3614
1069933	KING - 4	118700 (100%)	Mineral	2021/DEC/16	458.1164
1070217	KING - 5	118700 (100%)	Mineral	2020/AUG/10	520.5226

BC Mineral Titles Online indicates that Andrew Molnar is the current registered owner of the above listed tenure.

The author undertook a search of the tenure data on the government of British Columbia Mineral Titles Online (MTO) website which confirms the geospatial locations of the claim boundaries and the property ownership as of December 20, 2019.

In British Columbia, the owner of a mineral claim acquires the right to the minerals that were available at the time of claim location and as defined in the Mineral Tenure Act of British Columbia. Surface rights and placer rights are not included. Claims are valid for one year and the anniversary date is the annual occurrence of the date of record (the staking completion date of the claim).

To maintain a claim in good standing the claim holder must, on or before the anniversary date of the claim, pay the prescribed recording fee and either: (a) record the exploration and development work carried out on that claim during the current anniversary year; or (b) pay cash in lieu of work. The amount of work required in years one and two is \$5 per hectare per year, years 3 and 4 \$10 per hectare, years 5 and 6 \$15 per hectare, and \$20 per hectare for each subsequent year.

Only work and associated costs for the current anniversary year of the mineral claim may be applied toward that claim unit. If the value of work performed in any year exceeds the required minimum, the value of the excess work can be applied, in full year multiples, to cover work requirements for that claim for additional years (subject to the regulations). A report detailing work done and expenditures must be filed with, and approved by, the B.C. Ministry of Energy and Mines.

Figure 1: Regional Location Map

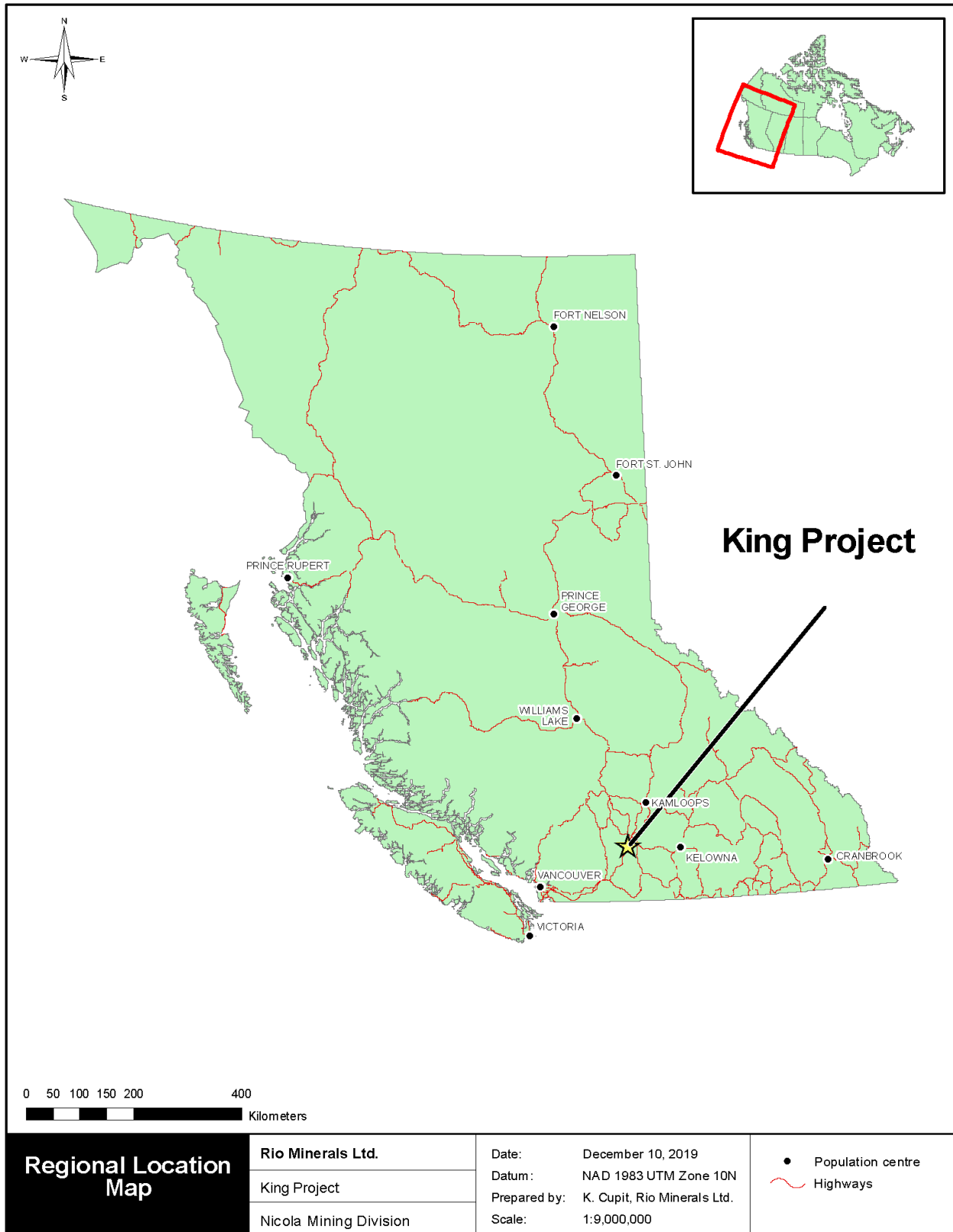
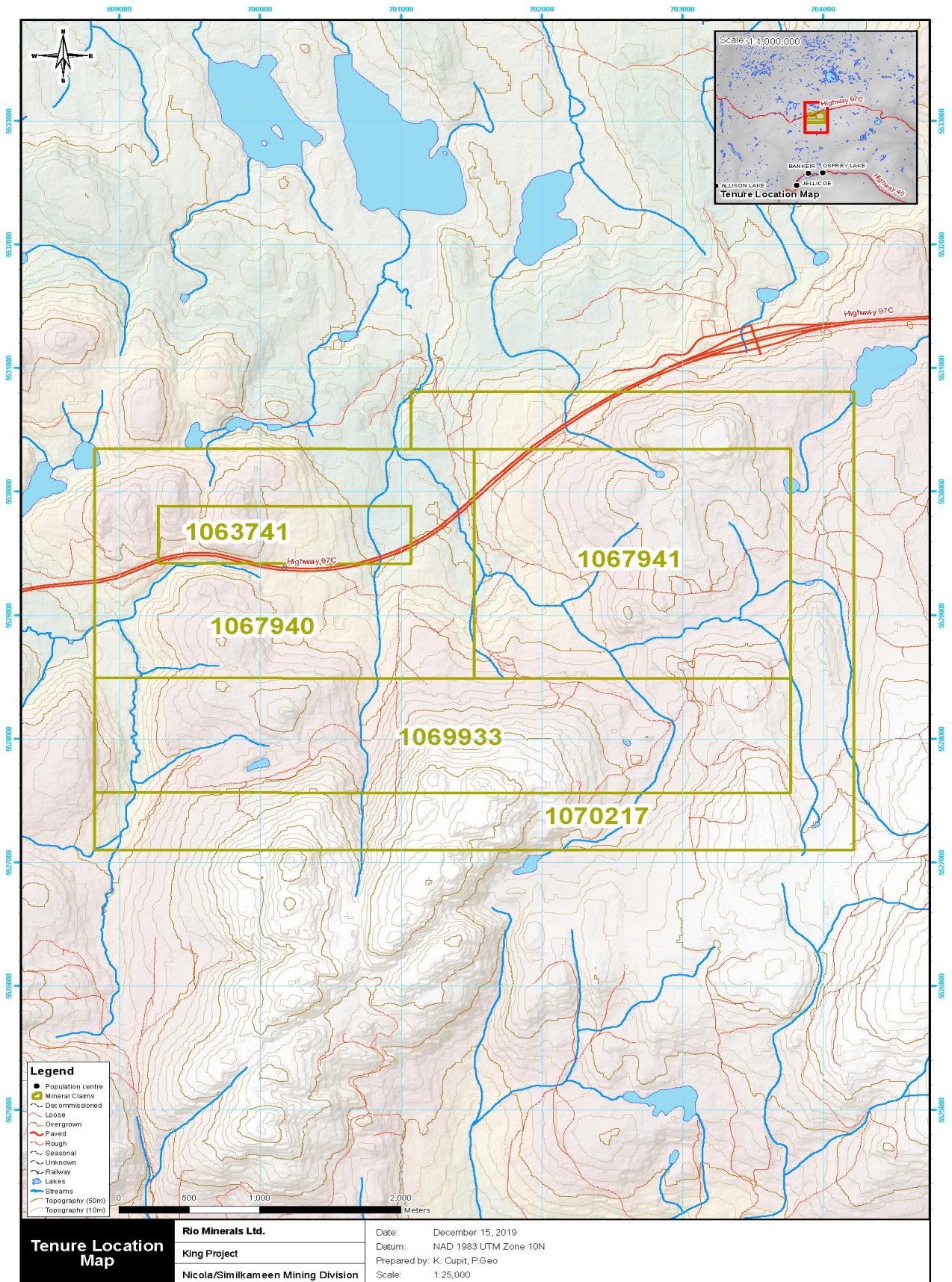


Figure 2: Property Tenure Map



4 ACCESSIBILITY, CLIMATE, PHYSIOGRAPHY, LOCAL RESOURCES, AND INFRASTRUCTURE

The King property is located 50 kilometres west of Kelowna in south-central British Columbia. It is centered on latitude 49 degrees 55' north and longitude 120 51' degrees west within NTS Map areas 92H.089 and 92H.090. Access to the property is via Highway 97C (Okanagan connector) 40 km west from Westbank. The highway transects the claims from northeast to southwest.

Access to the northern part of the property is provided by secondary roads extending from the old Quilchena power line road via Sunset Main to Paradise Lake and to Reservoir Lake.

The claims enclose an area of a broad uplands plateau with limited relief. Elevations range from 1550m to 1850m above sea level. Roughly 10 percent of the area is covered by small lakes or marsh. Bedrock exposure is limited, being confined to highway rock cuts and to the southeast portion of the claims where some steeper slopes are present. Northerly-flowing, small to medium size streams meander across the property but most have not eroded deeply enough to expose bedrock.

Forest cover comprises pine, fir, spruce, and balsam. Clear cut logging has been undertaken on portions of the claims. Annual temperatures range from -20 degrees to 30 degrees centigrade and precipitation is low to moderate. The area is basically snow-free from mid-June through November.

5 HISTORY

A few kilometres to the northwest and to the northeast, copper exploration was undertaken from 1966 to 1968 which consisted of soil sampling, airborne EM/Mag. and I.P. surveys. Minor copper showings were discovered in volcanic and intrusive host rocks.

Four kilometres to the southwest, high grade gold vein systems have been explored from 1986 to present by Fairfield Minerals Ltd. and Almaden Minerals Ltd. on the adjoining Elk property. Geochemical and geophysical surveys, trenching, and diamond drilling at Elk have revealed several gold-bearing structures, one of which contains a drill indicated geological resource in excess of 200,000 ounces of gold with an average grade of 0.647 oz/ton Au over 6.6 feet true width.

Reconnaissance prospecting and sampling were carried out by Cordilleran Engineering Ltd. from 1986 through 1991 in the King property area. Anomalous gold values as well as high values in silver, copper, lead, zinc, and arsenic were returned from a number of stream sediment, soil, and rock samples.

6 GEOLOGICAL SETTING AND MINERALIZATION

6.1 Regional Geology

After JWH Mongery, et al, 1989

Regional geology in the area of the King property is illustrated on the northeast part of GSC map 41-1989, Hope, mapped by J.W.H..Mongery:

The claims straddle a narrow, north-south neck of the Pennask batholith approximately 5 km wide in contact on the east and west with volcanic and sedimentary rocks of the Nicola Group. The batholith comprises white to grey, medium to fine grained granodiorite of Late Triassic to Early Jurassic age. To the south it is in contact with Late Jurassic coarse-grained pinkish granite to granodiorite. Nicola Group rocks consist of Late Triassic andesite to basalt flows and pyroclastics changing facies to the east to a sequence of interbedded argillite, sandstone, tuff, and minor limestone.

GSC Aeromagnetic Map sheet 92H/16 (No. 8528G) indicates a magnetic high of 58,500 gammas, approximately 2 km long, trending northeasterly across the center of the property in the area currently mapped as granodiorite.

6.2 Property Geology

After Rowe, et al, 1989

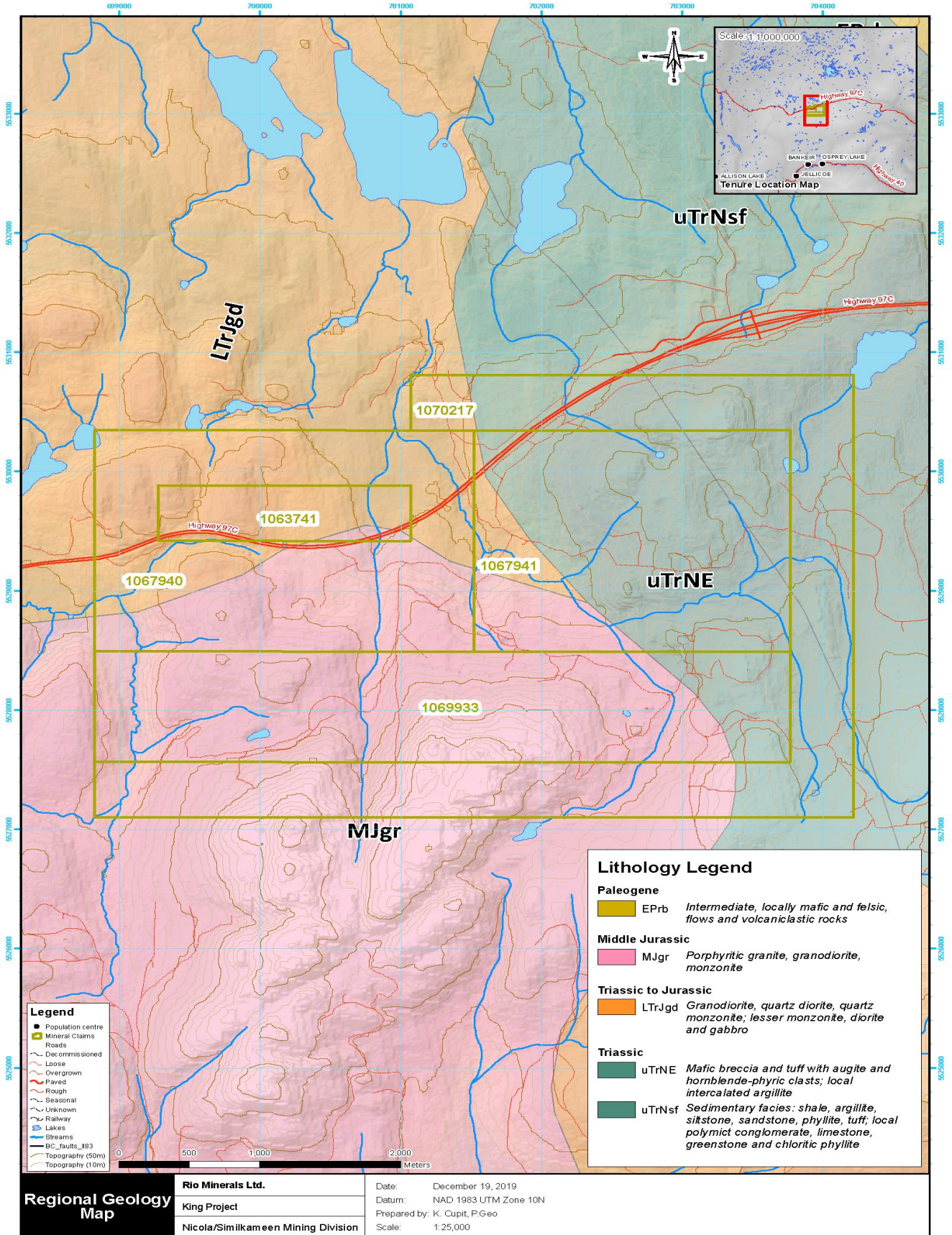
Rock cut exposures along the highway on the south-central claims consist predominantly of coarse-grained pinkish granite. Shear zones within the granite are often accompanied by argillic to phyllic alteration over widths of up to several meters with local narrow quartz veins emplaced in the shears. Iron and manganese oxides are common in the alteration zones. Grab samples of quartz vein material with disseminated pyrite have returned values of up to 820 ppb Au and 122.1 ppm Ag (Rowe, J. 1991. AR 21922). Andesite dykes up to 0.5m wide of probable Tertiary age have been observed cutting granite near mineralized quartz veins. Similar dykes are spatially associated with gold-bearing quartz veins on the nearby Elk property.

A grab sample of siliceous volcanic rock with disseminated to semi-massive arsenopyrite taken from the eastern portion of the property returned 1830 ppb Au and 30,530 ppm As. Samples taken in the south-western portion of the claim group of quartz veins up to 6 cm wide in sheared, altered volcanic rock returned values up to 0.071 oz/ton Au and 30.5 oz/ton Ag with minor copper, lead, and zinc. A grab sample taken approximately 1 kilometer south of the road of similarly mineralized quartz vein float gave values of 24,100 ppb Au (0.70 oz/ton) and 85.6 ppm Ag 2.50 oz/ton. Rowe, J. 1991. AR 21922).

Shears and vein structures measured on the property have predominantly east to northeast strikes and moderate to steep southerly dips. It has been observed that most of the gold-bearing structures in the region have similar trends.

The geological setting is similar to that of the adjoining Elk (Siwash) property where, 4 km to the southwest, a gold-bearing quartz vein system cutting granitic and volcanic rocks is being explored. In addition, the Brenda copper-molybdenum deposit located 10km east of the King property is hosted by the same geological units.

Figure 3: Property Geology Map



6.3 MINFILE Showings Located on the Property

The King showing (092HNE297) occurs along a logging roadcut, 1.5 kilometres southeast of the Coquihalla Highway (Okanagan Connector), 4.0 kilometres northeast of Culmination Point and 3.5 kilometres west-southwest of the summit of Pennask Mountain.

A quartz vein, 1 centimetre wide, cuts bleached, pyritic andesitic ash tuff of the Upper Triassic Whistle Creek Formation (Nicola Group). A sample of selected chips analysed 0.68 gram per tonne gold (Assessment Report 21922, page 9, Table 2, sample L89-R1D). The showing was sampled by Kingsvale Resources Inc. in 1991.

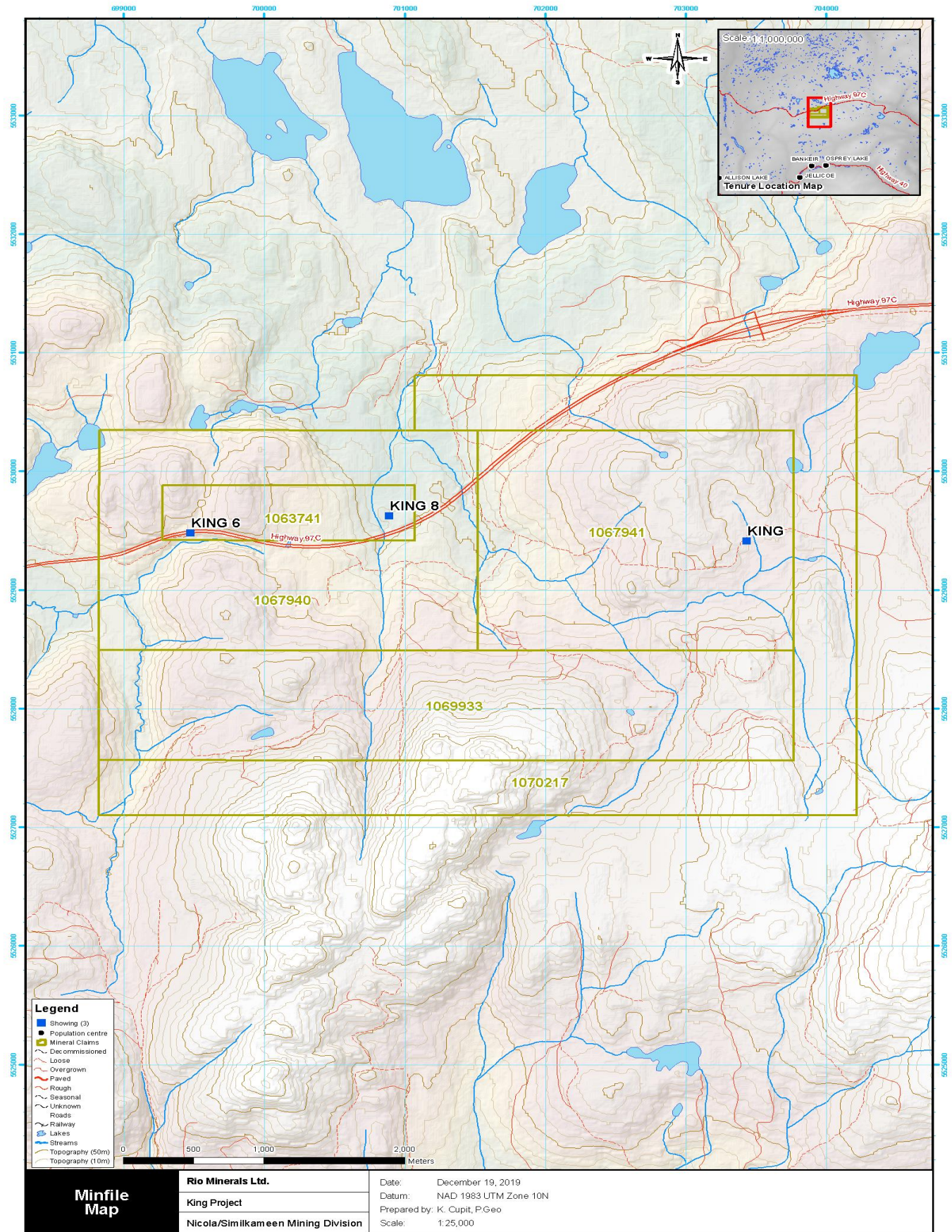
The King 6 showing (092HNE298) occurs along the north side of the Coquihalla Highway (Okanagan Connector), 2.6 kilometres north-northwest of Culmination Point and 7.4 kilometres west of the summit of Pennask Mountain.

A drusy quartz vein, 10 centimetres wide, cuts coarse-grained, feldspar megacrystic granite of the Middle Jurassic Osprey Lake batholith. The vein is mineralized with scattered blebs of chalcopyrite. A selected sample analysed 0.41 gram per tonne gold and 7.8 grams per tonne silver (Assessment Report 21922, page 9, Table 2, sample Q1b-R3).

The King 8 showing (092HNE299) is on the north side of the Coquihalla Highway (Okanagan Connector), 2.7 kilometres north-northeast of Culmination Point and 6.0 kilometres west of the summit of Pennask Mountain.

A shear zone, 70 centimetres wide, cuts coarse-grained, phyllic (sericitic (?))-altered granite of the Middle Jurassic Osprey Lake batholith, near an andesitic dike. The showing is approximately 100 meters south of the contact with andesitic ash and lapilli tuff of the Upper Triassic Whistle Creek Formation (Nicola Group). A pyritic quartz-calcite vein/breccia is associated with the shear zone. A series of selected chips from the vein yielded 0.44 gram per tonne gold and 10.6 grams per tonne silver (Assessment Report 21922, page 9, Table 2, sample Q17-R2A).

Figure 4: Minfile Location Map



7 EXPLORATION

7.1 PREVIOUS EXPLORATION

A total of 1209 soil samples were collected from the King property in 1991. Wide spaced (400m x 50m) initial grid sampling yielded 1074 samples. These lines were established in two areas of the property covering the contact zones of the batholith and areas of known gold mineralization which were believed to have the best potential for the discovery of gold deposits.

East-west claim lines served as baselines. They were measured with a hip chain, marked with pink flagging and at certain stations, marked with grid-numbered, waterproof Tyvek tags plus pink and blue flagging. North-south soil lines were established using hip chain and compass, and soil stations at 50m intervals were similarly identified with tags plus orange and blue flagging. Subsequent fill-in line locations were determined from existing initial grid stations. Samples were collected from the "B" horizon with mattocks and placed in Kraft paper bags marked with the appropriate grid coordinates. The samples were sent to Acme Analytical Laboratories Ltd. in Vancouver where they were dried, sieved and the -80 mesh fraction used for gold analysis. Each sample was tested for gold by atomic absorption following aqua regia digestion and MIBK extraction from a 10-gram sample.

The wide-spaced grid sampling of selected portions of the property was adopted to economically explore the largest extent reasonable, at the risk of missing narrow, high grade gold veins which may lie between 400 meter-spaced lines.

The initial grid sampling returned nine values greater than 20 ppb Au, to a high of 130 ppb, dispersed widely across the property. Fill-in sampling around these sites confirmed the existence of anomalous gold in three of the areas by yielding additional values of 20 ppb Au or greater (Rowe, J. 1991. AR 21922).

Wide-spaced soil sampling, with limited follow-up over approximately one-half of the King property has indicated three small zones of weakly to moderately anomalous gold.

Table 3: Historic Rock Sample Descriptions:

Sample ID	Locality	Sample Type	Description	Sample Width (cm)	Au ppb	Ag ppm
Q16-R3	King	Grab	Broken sub-crop, 10cm drusy qtz vein with scattered bleb of chalco	10	410	7.8
Q17-R2A	King	Chip	in-situe pyritic qtz-calcite veins. Bx assoc w 70cm wide shear zone in phyllic altered granite near andesite dyke	grab	440	10.6
Q20-R2	King	Float	Selected grabs from several qtz vein cobbles up to 10cm wide. Drusy, with minor pyrite and chalcopyrite	grab	820	
Q20-R6	King	Float	several small, angular qtz vein fragments-in part hematitic w/fe and minor oxides	grab	720	122.1
L89-R1D	King	Chip	Selected chips from in-situe 1 cm qtz vein cutting bleached, silicic, pyritic andesite	grab	680	
L89-R14	King	Float	Selected grab of qtz flooded granite w/clots of py, cpy, qn, sp	grab	24100	85.6

7.2 2019 EXPLORATION

Six days were spent prospecting and rock sampling on the property during August of 2019. The areas of the King, King 6, and King 8 Minfile showings were located and re-sampled. Considerable time was spent prospecting the areas surround these showings as well.

7.3 EXPLORATION PROCEDURES

Nine Rock samples consisting of grab and chip samples were taken on the subject property during the 2019 exploration program. Rock sample locations were marked in the field with orange and blue flagging tape and their respective NAD 83 UTM locations along with sample descriptions were recorded. The samples were then placed in marked poly bags, photographed, zap-strapped, and hand delivered to Activation Laboratories located on Dallas Road in Kamloops, BC for 1A2-Fire Assay and 1E3-ICP analysis.

Figure 5: Rock Sample Location Map

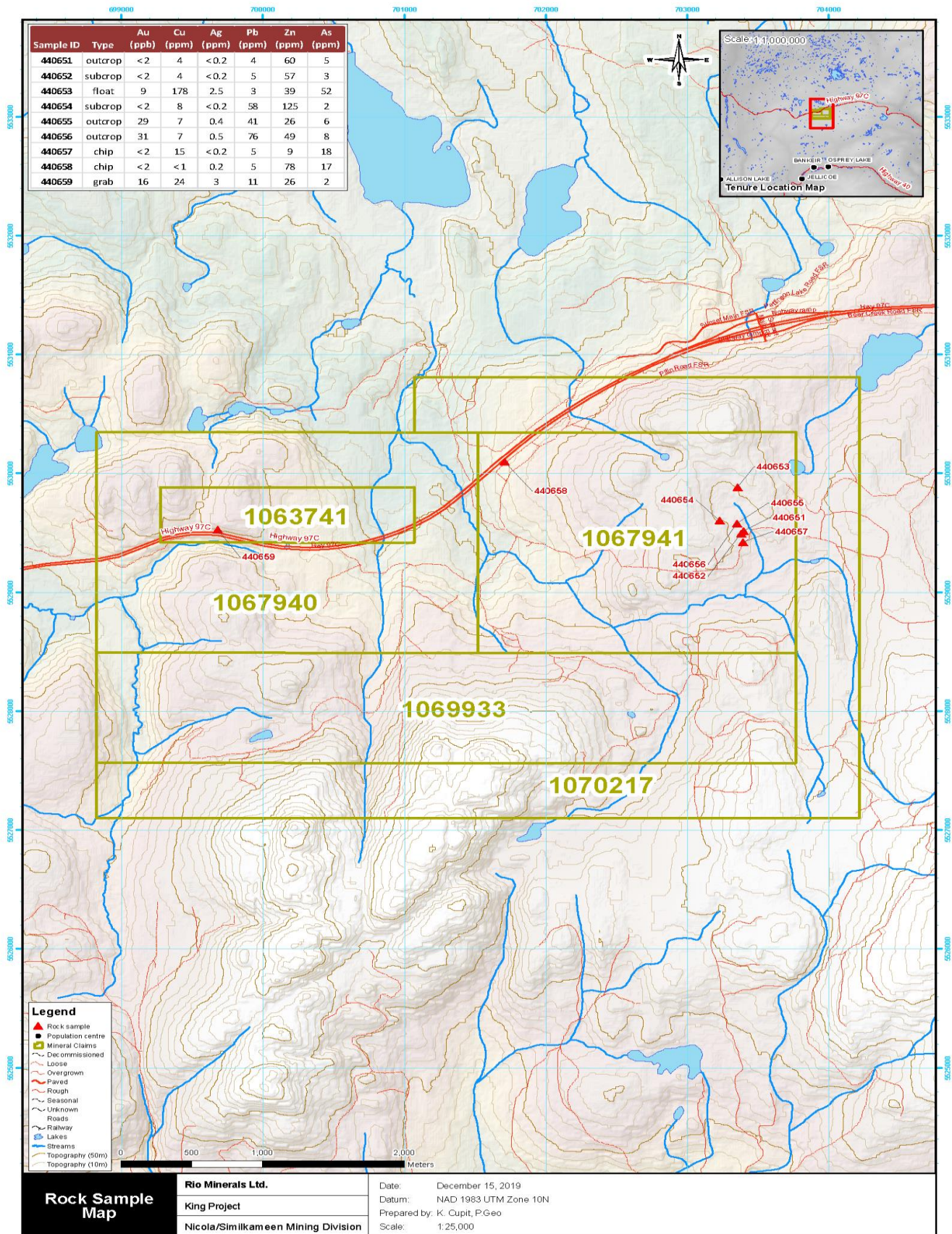
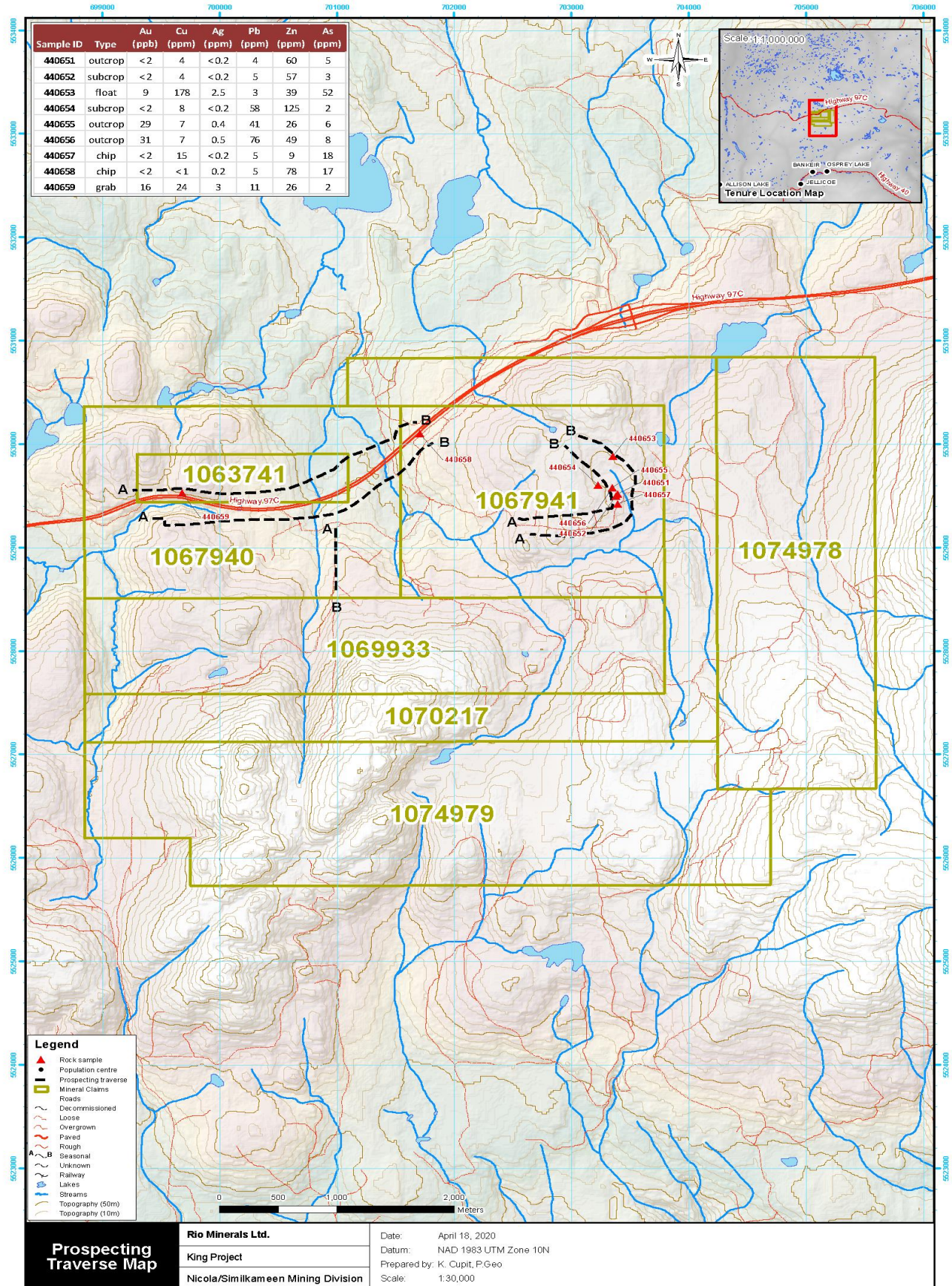


Figure 6: Prospecting Traverse Map



8 SAMPLING PREPARATION, ANALYSIS, AND SECURITY

Rio Minerals employees collected a total of nine rock samples from the King Property during the 2019 exploration programme.

Using a rock hammer, geotul, and chisel, samples were taken in areas of known Minfile occurrences as well as locations surrounding the Minfile occurrences. Material derived from these locations was placed in marked poly ore sample bags and the samples hand delivered and submitted to Activation Laboratories located on Dallas Road in Kamloops for the following analysis:

1A2-ICP - (1A2-ICP-30 or 50) Au Fire Assay - ICP

Fire Assay

A sample size of 5 to 50 grams can be used but the routine size is 30 g for rock pulps, soils or sediments (exploration samples). The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with Ag added as a collector and the mixture is placed in a fire clay crucible, the mixture is preheated at 850°C, intermediate 950 °C and finish 1060 °C, the entire fusion process should last 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag (doré bead) + Au.

ICP-OES

The Ag doré bead is digested in hot (95°C) HNO₃ + HCl. After cooling for 2 hours the sample solution is analyzed for Au by ICP-OES using a Varian 735 ICP.

1E3 - Aqua Regia - ICPOES

A 0.5 g sample is digested in aqua regia at 90 °C in a microprocessor-controlled digestion block for 2 hours. Digested samples are diluted and analyzed by Perkin Elmer Sciex ELAN 6000, 6100 or 9000 ICP/MS. One blank is run for every 68 samples. An in-house control sample is run every 33 samples. Digested standards are run every 68 samples. After every 15 samples, a digestion duplicate is analyzed. The instrument is recalibrated every 68 samples.

9 DATA VERIFICATION

The author is satisfied with adequacy of sample preparation, security, and the analytical procedures used in the collection of the soil and rock samples from the Property. The author is of the opinion that the description of sampling methods and details of location, number, type, and nature of the samples collected are adequate for the current stage of exploration on the Property.

All samples taken on the property were hand-delivered to Activation Laboratories Ltd. (Actlabs) in Kamloops, British Columbia, (an accredited analytical laboratory pursuant to NI 43-101). All samples underwent assay package 1A2-ICP which includes 36 element ICP-OES analysis and a 50-gram gold Fire Assay as well as 1E3 Aqua Regia ICP/MS. Actlabs is independent of Rio Minerals Limited and the Author.

Table 4: Rock Sample Descriptions:

Sample ID	Easting NAD 83	Northing NAD 83	Elev (m)	Relative Location	Sample Type
440651	703396	5529515	1703	King	outcrop
440652	703379	5529495	1694	King	subcrop
440653	703354	5529883	1697	King	float
440654	703228	5529604	1699	King	subcrop
440655	703350	5529577	1702	King	outcrop
440656	703350	5529577	1702	King	outcrop
440657	703392	5529420	1689	King East	chip
440658	701710	5530101	1612	Highway	chip
440659	699680	5229528	1639	Highway	chip

Lithology
metasediment
granite
granite minor brecciation
diorite with minor carbonate and epidization, possible breccia contact , trace pyrite
metasediments, silicified
metasediments, silicified
Qtz vein, with limonite staining
Qtz vein, with clay alteration throughout, highly oxidized, with distinctive vuggy nature.
Qtz vein

Alteration	Mineralization	Vein Strike	Vein Dip	Width (cm)
Limonite, qtz stringers	Pyrite 1%, magnetite			
Limonite alteration	Pyrite 5%, magnetite			
Limonite alteration	Pyrite 5%, magnetite			
Sericite, breccia	tr pyrite			
pyrite concentration along fractures	tr pyrite			
pyrite concentration along fractures	tr pyrite			
	Pyrite 1%	124	vert	50
limonite, sericite?		160	vert	20
	trace pyrite	162	vert	10

10 DEPOSIT TYPES

An epithermal gold deposit is one in which the gold mineralization occurs within 1 to 2 km of surface and is deposited from hot fluids. The fluids are estimated to range in temperature from less than 100°C to about 300°C and, during the formation of a deposit, can appear at the surface as hot springs. The deposits are most often formed in areas of active volcanism around the margins of continents (Norcross 1997).

Epithermal gold mineralization can be formed from two types of chemically distinct fluids -- "low sulphidation" (LS) fluids, which are reduced and have a near-neutral pH (the measure of the concentration of hydrogen ions), and "high sulphidation" (HS) fluids, which are more oxidized and acidic. LS fluids are a mixture of rainwater that has percolated into the subsurface and magmatic water (derived from a molten rock source deeper in the earth) that has risen toward the surface. In both LS and HS models, fluids travel toward the surface via fractures in the rock, and mineralization often occurs within these conduits. LS fluids usually form large cavity-filling veins, or a series of finer veins, called stockworks, that host the gold. The hotter, more acidic HS fluids penetrate farther into the host rock, creating mineralization that may include veins, but which is mostly scattered throughout the rock.

Low sulphidation deposits can also contain economic quantities of silver and minor amounts of lead, zinc, and copper, whereas high sulphidation systems often produce economic quantities of copper. Geochemical exploration for these deposits can result in different chemical anomalies, depending on the type of mineralization involved. Low sulphidation systems tend to be higher in zinc and lead, and lower in copper, with a high silver-to-gold ratio. high sulphidation systems can be higher in arsenic and copper with a lower silver-to-gold ratio (Norcross 1997).

11 INTERPRETATION AND CONCLUSIONS

Re-sampling of three of the known Minfile occurrences on the property was inconclusive as the Minfile locations are not exact and no field makings were observed.

Sample number 440655 returned 29 ppb Au from a rusty, silicified metasediment located approximately 150 meters north of the inferred location of the King 8 Minfile showing.

Sample number 440656 returned 31 ppb Au from a silicified metasediment with minor pyrite along fractures. This sample was taken from a small outcrop located approximately 80 meters south of the King 8 showing.

Sample number 440659 returned 16 ppb Au from quartz vein with trace pyrite located near or around the inferred location of the King 6 Minfile location.

Sample 440653 returned 178 ppm copper from a large angular float boulder taken in the center of a cut block located approximately 500 meters north of the King 8 showing.

Sample number 440659 returned 3 ppm Ag from quartz vein with trace pyrite located near or around the inferred location of the King 6 Minfile location.

12 RECOMMENDATIONS

In the Author's opinion, the character of the King Property is sufficient to merit the following work program:

The recommended work program includes geochemical soil sampling and geological mapping/sampling. The intent of this work is to define the known areas of mineralization and expand upon these areas of anomalous mineralization.

Table 5: Proposed Budget

Personnel		Rate	Days	Total
P. Geo	-	\$750	10	\$ 7500
Crew chief/field exploration	-	\$500	10	\$ 5000
Field Crew	-	\$450	20	\$ 9000
Sub-total	-	-	-	\$ 21500
Expenses				
Vehicles	2 - 4x4 truck	\$165	20	\$ 6600
ATV	1 - ATV	\$ 95	10	\$ 950
Job Prep	-	\$950	01	\$ 950
Field Supplies	Maps, tools, consumables, etc.	-	-	\$ 950
Lodging & Meals	-	\$175	16	\$ 14000
Communications	Radios	\$16	20	\$ 320
Fuel	-	-	-	\$ 800
Analytical	20 rock, 400 soil	-	-	\$ 19800
GIS		-	-	\$ 1500
Reports	Technical - Assessment	-	-	\$ 6500
Sub-total				\$ 52370
Administration	5%			\$ 3694
Sub-total				\$ 77564
Total:		-	-	\$ 77564

13 STATEMENT OF COSTS

Exploration Work type	Comment	Days		
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*
Andrew Molnar Crew Chief	August 09 – August 14, 2019	06	\$450.00	\$2700.00
Stuart Molnar Field Crew	August 09 – August 14, 2019	06	\$450.00	\$2700.00
				\$5400.00
Office Studies	List Personnel (note - Office only, do not include field days)			
Literature search	-	0.5	\$500.00	\$250.00
Database compilation	-	0.5	\$500.00	\$250.00
Computer modelling - GIS	Kerry Cupit, P. Geo	1.5	\$500.00	\$750.00
Reprocessing of data	Kerry Cupit, P. Geo	1.0	\$500.00	\$500.00
General research	-	0.0	\$0.00	\$0.00
Report preparation	Andrew Molnar, Kerry Cupit, P. Geo., Andris Kikauka P. Geo.	2.5	\$750.00	\$3,625.00
Other (specify)	-			
				\$3,625.00
Ground Exploration Surveys	Area in Hectares/List Personnel			
Geological mapping	-			
Reconnaissance	-			<i>Captured in Personal</i>
Prospect	-			<i>field expenditures above</i>
Trenches				\$0.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal
Stream sediment	-	0.0	0.00	\$0.00
Soil	-	0.0	\$0.00	\$0.00
Rock	9	9.0	\$32.87	\$295.79
				\$295.79
Other Operations	Clarify	No.	Rate	Subtotal
Trenching	-		\$0.00	\$0.00
				\$0.00
Transportation		No.	Rate	Subtotal
ATV	1 - ATV	6.00	\$95.00	\$570.00
fuel		1.00	\$314.01	\$314.01
Truck	1 - 4x4	6.00	\$150.00	\$900.00
				\$1784.01
Accommodation & Food	Rates per day			
Hotel		12.00	\$125.00	\$1500.00
Meals		12.00	\$50.00	\$600.00
				\$2100.00
Miscellaneous				
Petrographic	Petrographic Analysis	0.00	\$0.00	\$0.00
Project Preparation		0.0	\$950.00	\$0.00
				\$0.00
Equipment Rentals				
Field Gear (Specify)		0.00	\$15.00	\$0.00
Other (Specify)	Consumables	1.00	\$105.00	\$105.00
				\$105.00
Freight, samples		1.00	\$0.00	\$0.00
Sub-total:		1.00	\$0.00	\$13309.80
Management	5%	0.00	\$0.00	\$0.00
Total Expenditures				\$13309.80

14 REFERENCES

BC Ministry of Energy and Mines Minfile 92H/NE

Geological Survey of Canada: Aeromagnetic Map No 8528G, NTS 92H/16

Jakubowski. W. J.: 1991: 1990 Drilling, Trenching, Geochemical and Geophysical Assessment Report on the Elk Property.

Monger. J. W. H.: 1989 Geology of Hope Princeton Area. GSC Map 41-1989.

Rice. H.M.A: Geology and Mineral Deposits of the Princeton Map Area, BC. GSC Memoir 243

Rowe J.D and Balon E.A.: 1990: 1988 and 1989 Regional Exploration, southern British Columbia, Okanagan, Princeton, and Osoyoos Areas.

1990: 1990 Regional Exploration, southern British Columbia, Okanogan Area.

Rowe J. D.: 1991 Geochemical Report on the King 1-10 Mineral Claims. Nicola Mining Division, BC. November 1991. BCAR #21922.

15 CERTIFICATE OF AUTHOR

CERTIFICATE AND DATE

I, Andris Kikauka, of 4199 Highway 101, Powell R, B.C. V8A 0C7 am a self-employed professional geoscientist. I hereby certify that:

1. I am a graduate of Brock University, St. Catharine's, Ont., with an Honours Bachelor of Science Degree in Geological Sciences, 1980.
2. I am a Fellow in good standing with the Geological Association of Canada.
3. I am registered in the Province of British Columbia as a Professional Geoscientist.
4. I have practiced my profession for thirty years in precious and base metal exploration in the Cordillera of Western Canada, U.S.A., Mexico, Central America, and South America, as well as for three years in uranium exploration in the Canadian Shield.
5. The information, opinions, and recommendations in this report are based on fieldwork carried out on the subject property.
6. I do not have a direct interest in the King Property.

Dated this 20th day of December 2019:

Andris Kikauka

Andris Kikauka, P. Geo.

APPENDIX I

ANALYTICAL CERTIFICATES



Date Submitted: 12-Aug-19
Invoice No.: A19-10496
Invoice Date: 22-Aug-19
Your Reference: K-1 / K-19

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Andrew Molnar

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops QOP PGE-OES (Au-Fire Assay ICPOES 30g)

Code 1E3-Kamloops QOP AquaGeo (Aqua Regia ICPOES)

REPORT **A19-10496**

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:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-10496

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	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	10
Method Code	FA-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	AR-ICP	AR-ICP
440651	< 2	< 0.2	< 0.5	4	599	< 1	2	4	60	1.48	5	< 10	76	< 0.5	< 2	0.73	3	9	3.63	< 10	< 1	0.40	15
440652	< 2	< 0.2	< 0.5	4	485	1	2	5	57	1.19	3	< 10	71	< 0.5	< 2	0.37	2	10	3.59	< 10	< 1	0.30	14
440653	9	2.5	< 0.5	178	1020	< 1	41	3	39	0.59	52	< 10	275	< 0.5	< 2	4.29	26	14	5.90	< 10	2	0.35	< 10
440654	< 2	< 0.2	0.9	8	1090	< 1	7	58	125	4.29	2	< 10	33	1.9	< 2	5.29	8	14	2.98	20	< 1	0.05	22
440655	29	0.4	< 0.5	7	47	2	2	41	26	0.90	6	< 10	70	< 0.5	5	0.11	5	11	2.34	< 10	< 1	0.33	< 10
440656	31	0.5	< 0.5	7	68	2	2	76	49	1.02	8	< 10	92	< 0.5	5	0.08	3	7	2.96	< 10	< 1	0.41	13
440657	< 2	< 0.2	< 0.5	15	130	15	2	5	9	0.19	18	< 10	26	< 0.5	< 2	0.03	2	28	1.62	< 10	< 1	0.03	< 10
440658	< 2	0.2	< 0.5	< 1	1870	5	7	5	78	1.24	17	< 10	112	0.8	2	0.43	6	6	5.53	< 10	< 1	0.48	21
440659	16	3.0	< 0.5	24	863	2	2	11	26	0.79	2	< 10	170	< 0.5	58	0.19	5	9	1.29	< 10	< 1	0.31	19

Analyte Symbol	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
Lower Limit	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
440651	0.81	0.126	0.094	0.68	2	12	36	0.31	< 20	6	< 2	< 10	113	< 10	14	6
440652	0.56	0.117	0.079	1.03	< 2	7	53	0.13	< 20	5	< 2	< 10	93	< 10	9	6
440653	2.72	0.061	0.090	0.21	9	27	530	< 0.01	< 20	< 1	< 2	< 10	106	< 10	5	2
440654	0.68	0.034	0.078	0.02	2	5	427	0.09	< 20	3	< 2	< 10	89	< 10	10	4
440655	0.05	0.018	0.070	0.86	2	2	18	< 0.01	< 20	1	< 2	< 10	13	< 10	9	7
440656	0.07	0.031	0.081	0.44	< 2	2	15	< 0.01	< 20	3	< 2	< 10	16	< 10	8	6
440657	0.03	0.022	0.006	0.14	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	5	< 10	3	1
440658	0.19	0.053	0.104	< 0.01	< 2	7	28	< 0.01	< 20	< 1	< 2	< 10	68	< 10	25	5
440659	0.10	0.056	0.052	< 0.01	< 2	3	12	< 0.01	< 20	28	< 2	< 10	18	< 10	9	2

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	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	10
Method Code	FA-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	AR-ICP	AR-ICP
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	5930	459	2	34	8	22	1.62	84		54	6.6	4	0.04	86	23	6.08	< 10		0.77	37
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	33.9
OREAS 45e (Aqua Regia) Meas				728	416		397	12	31	3.49	14		92			0.04	40	852	21.3	10		0.05	
OREAS 45e (Aqua Regia) Cert				709.0			357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2160	771	< 1	33	60	240	2.58	8		54	0.7	< 2	0.39	17	44	4.87	< 10		0.41	34
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	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4030	839	< 1	29	75	302	2.43	7		41	0.6	8	0.37	17	38	5.31	< 10		0.33	29
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	30.0
OREAS 520 (Aqua Regia) Meas				2840	2160	54	68	5	18	1.45	133			0.5	< 2	3.53	172	34	15.1	10		0.46	67
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	83.0
OREAS 907 (Aqua Regia) Meas		1.4	< 0.5	6090	365	5	7	33	136	1.11	32		169	0.9	17	0.28	40	9	7.81	20		0.33	36
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	36.1
OREAS 222 (Fire Assay) Meas	1180																						
OREAS 222 (Fire Assay) Cert	1220																						
Oreas 621 (Aqua Regia) Meas		70.3	271	3500	559	11	26	> 5000	> 10000	1.62	71			0.5	< 2	1.63	27	31	3.36	< 10	4	0.34	18
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	19.4
OREAS 255 (Fire Assay) Meas	4120																						
OREAS 255 (Fire Assay) Cert	4080																						
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	< 10
Method Blank	< 2																						

Analyte Symbol	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
Lower Limit	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
OREAS 904 (Aqua Regia) Meas	0.17		0.086	0.04	3	4	19		< 20		< 2	< 10	30		19	
OREAS 904 (Aqua Regia) Cert	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	0.10	0.034	0.027	0.04		80	5		< 20		< 2	< 10	292		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 922 (AQUA REGIA) Meas	1.21	0.027	0.056	0.36	2	4	16		< 20		< 2	< 10	35	< 10	19	19
OREAS 922 (AQUA REGIA) Cert	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 923 (AQUA REGIA) Meas	1.23		0.050	0.63	2	3	14		< 20		< 2	< 10	32	< 10	17	18
OREAS 923 (AQUA REGIA) Cert	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	1.03	0.061	0.064	0.91	5	11	28	0.14	< 20	3	< 2	< 10	244	16	13	23
OREAS 520 (Aqua Regia) Cert	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	0.21	0.095	0.021	0.06	3	2	13	0.02	< 20	2	< 2	< 10	7	< 10	8	21
OREAS 907 (Aqua Regia) Cert	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 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.40	0.173	0.030	4.14	96	2	18		< 20		< 2	< 10	13	< 10	8	46
Oreas 621 (Aqua Regia) Cert	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 255 (Fire Assay) Meas																
OREAS 255 (Fire Assay) Cert																
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																

APPENDIX II

ROCK SAMPLE ASSAY KEY
AND RESULTS

Sample ID	Easting	Northing	Elev (m)	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As
				ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
				2	0.2	0.5	1	5	1	1	2	2	0.01	2
440651	703396	5529515	1703	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
440652	703379	5529495	1694	< 2	< 0.2	< 0.5	4	599	< 1	2	4	60	1.48	5
440653	703354	5529883	1697	< 2	< 0.2	< 0.5	4	485	1	2	5	57	1.19	3
440654	703228	5529604	1699	9	2.5	< 0.5	178	1020	< 1	41	3	39	0.59	52
440655	703350	5529577	1702	< 2	< 0.2	0.9	8	1090	< 1	7	58	125	4.29	2
440656	703350	5529577	1702	29	0.4	< 0.5	7	47	2	2	41	26	0.9	6
440657	703392	5529420	1689	31	0.5	< 0.5	7	68	2	2	76	49	1.02	8
440658	701710	5530101	1612	< 2	< 0.2	< 0.5	15	130	15	2	5	9	0.19	18
440659	699680	5229528	1639	< 2	0.2	< 0.5	< 1	1870	5	7	5	78	1.24	17

Sample ID	Easting	Northing	Elev (m)	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
				ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
				10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
				AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
440651	703396	5529515	1703	76	< 0.5	< 2	0.73	3	9	3.63	< 10	< 1	0.4	15
440652	703379	5529495	1694	71	< 0.5	< 2	0.37	2	10	3.59	< 10	< 1	0.3	14
440653	703354	5529883	1697	275	< 0.5	< 2	4.29	26	14	5.9	< 10	2	0.35	< 10
440654	703228	5529604	1699	33	1.9	< 2	5.29	8	14	2.98	20	< 1	0.05	22
440655	703350	5529577	1702	70	< 0.5	5	0.11	5	11	2.34	< 10	< 1	0.33	< 10
440656	703350	5529577	1702	92	< 0.5	5	0.08	3	7	2.96	< 10	< 1	0.41	13
440657	703392	5529420	1689	26	< 0.5	< 2	0.03	2	28	1.62	< 10	< 1	0.03	< 10
440658	701710	5530101	1612	112	0.8	2	0.43	6	6	5.53	< 10	< 1	0.48	21
440659	699680	5229528	1639	170	< 0.5	58	0.19	5	9	1.29	< 10	< 1	0.31	19

Sample ID	Easting	Northing	Elev (m)	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl
				%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
				0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2
				AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
440651	703396	5529515	1703	0.81	0.126	0.094	0.68	2	12	36	0.31	< 20	6	< 2
440652	703379	5529495	1694	0.56	0.117	0.079	1.03	< 2	7	53	0.13	< 20	5	< 2
440653	703354	5529883	1697	2.72	0.061	0.09	0.21	9	27	530	< 0.01	< 20	< 1	< 2
440654	703228	5529604	1699	0.68	0.034	0.078	0.02	2	5	427	0.09	< 20	3	< 2
440655	703350	5529577	1702	0.05	0.018	0.07	0.86	2	2	18	< 0.01	< 20	1	< 2
440656	703350	5529577	1702	0.07	0.031	0.081	0.44	< 2	2	15	< 0.01	< 20	3	< 2
440657	703392	5529420	1689	0.03	0.022	0.006	0.14	< 2	< 1	2	< 0.01	< 20	< 1	< 2
440658	701710	5530101	1612	0.19	0.053	0.104	< 0.01	< 2	7	28	< 0.01	< 20	< 1	< 2
440659	699680	5229528	1639	0.1	0.056	0.052	< 0.01	< 2	3	12	< 0.01	< 20	28	< 2

Sample ID	Easting	Northing	Elev (m)	U	V	W	Y	Zr
				ppm	ppm	ppm	ppm	ppm
				10	1	10	1	1
				AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
440651	703396	5529515	1703	< 10	113	< 10	14	6
440652	703379	5529495	1694	< 10	93	< 10	9	6
440653	703354	5529883	1697	< 10	106	< 10	5	2
440654	703228	5529604	1699	< 10	89	< 10	10	4
440655	703350	5529577	1702	< 10	13	< 10	9	7
440656	703350	5529577	1702	< 10	16	< 10	8	6
440657	703392	5529420	1689	< 10	5	< 10	3	1
440658	701710	5530101	1612	< 10	68	< 10	25	5
440659	699680	5229528	1639	< 10	18	< 10	9	2