

**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)]:** Geological & Prospecting

**TOTAL COST:** \$13,187.47

**AUTHOR(S):** Lesley Hunt, Donald Bunce

**SIGNATURE(S):** \_\_\_\_\_

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):** MX-1-817 Nov 2013 to March 2019

**YEAR OF WORK:** 2015

**STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):** 5577065, October 31, 2015

**PROPERTY NAME:** Jade Fever

**CLAIM NAME(S) (on which the work was done):** Jade Fever 5, Tenure No. 838284

**COMMODITIES SOUGHT:** Nephrite

**MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:** \_\_\_\_\_

**MINING DIVISION:** Liard Mining Division

**NTS/BCGS:** 104J/080

**LATITUDE:** 58 ° 45 ' 34 " **LONGITUDE:** 130 ° 04 ' 45 " (at centre of work)

**OWNER(S):**

1) Donald Bunce

2) Robin Bunce

**MAILING ADDRESS:**

21670 Chief Lake Rd., Prince George BC, V2K 5K5

P.O. Box B8, Jade City, BC, V0C1E0

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

1) Donald Bunce

2) \_\_\_\_\_

**MAILING ADDRESS:**

21670 Chief Lake Rd., Prince George BC, V2K 5K5

**PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):**

Serpentinite, Nephrite, Cache Creek Complex, Cache Creek Terrane, Quesnellia Terrane, Dease Lake, Sawmill Point,

Theibert Fault, Jade

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:** 32861, 33513, 34509, 35170

AR 30807, AR 29457

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping			
Photo interpretation			
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
Soil			
Silt			
Rock			
Other			
<b>DRILLING (total metres; number of holes, size)</b>			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying	24 lithogeochemical samples	Tenure No. 838284	\$899.64
Petrographic			
Mineralographic			
Metallurgic			
<b>PROSPECTING (scale, area)</b>			
<b>PREPARATORY / PHYSICAL</b>			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	0.534 km	Tenure No. 838284	\$3,976.07
Trench (metres)	18.2 meters	Tenure No. 838284	\$253.51
Underground dev. (metres)			
Other	Report Writing, Room & Board, Transportation	Tenure No. 838284	\$8,058.25
		<b>TOTAL COST:</b>	<b>\$13,187.47</b>

**2015 GEOLOGICAL & PROSPECTING PROGRAM  
ASSESSMENT REPORT**

**on the**

**JADE FEVER PROPERTY**

**Comprising Tenures:**

**(Jade Fever4, Jade Fever5, Jade Fever 6, Jade Fever7)**

**Liard Mining District  
British Columbia, Canada**

**Latitude 58°45'42'' North, Longitude 130°05'03'' West  
UTM Zone 09 NAD 83  
472899 m East, 6574663 m North**

**NTS 104 J/080 & J090**

**Report Prepared For**

**Owner / Operator:  
Donald William Bunce**

**January 10, 2016**

**By:**  
**Donald W. Bunce &  
Lesley Hunt, BSc., Geol  
Jade City, BC**

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## SUMMARY

This report describes the results obtained during the 2015 Exploration Program conducted by Donald W. Bunce on the Jade Fever property consisting of 5 contiguous mineral claims covering 721 Ha in northwestern British Columbia (Figure 1). The property is accessed via the Stewart-Cassiar Highway 42 km north of the town site of Dease Lake.

The work program consisted of minimal exploration trail construction, excavation of 5 trenches and a lithogeochemical survey of both bedrock and glacial till rock within the excavated trenches.

Total applicable exploration expenses on the Jade Fever Property during the 2015 exploration program for the purpose of this report amounted to **\$13,187.47**.

The property is registered in the name of Jade Fever and is jointly owned, (50/50) by Donald William Bunce and Robin Neil Bunce. The property's five claims were acquired by online staking by Donald Bunce over various years beginning in July 2009. Subsequently Donald Bunce entered into a purchase agreement with Robin Bunce in July 2012.

The Jade Fever property straddles the Cache Creek and Quesnellia geological terranes of British Columbia.

The objective of the survey was to establish the potential of nephrite bearing serpentinite bodies of rock within the Jade Fever Property boundary.

The 2015 prospecting and lithogeochemical survey was conducted by a Donald Bunce from July 18th through September 15<sup>th</sup> 2015.

## 1.0 INTRODUCTION

This report presents the results of the 2015 Exploration program on the Jade Fever Property located in the Cache Creek and Quesnel Terrane of northwestern British Columbia.

The program was conducted by Donald Bunce, co-author of this report, from July 18th through September 15<sup>th</sup> 2015.

The work program consisted of a prospecting and a limited lithochemical survey. Five trenches were excavated from which 22 rock samples were taken. 2 separate outcrop samples were also taken.

The exploration work program was completed under Mineral Reclamation Permit number MX – 1 - 817.

The work conducted and reported on for this report was financed by Donald W. Bunce and Robin Bunce of 21670 Chief Lake Road, Prince George, BC and Box B8, Jade City, BC, respectively.

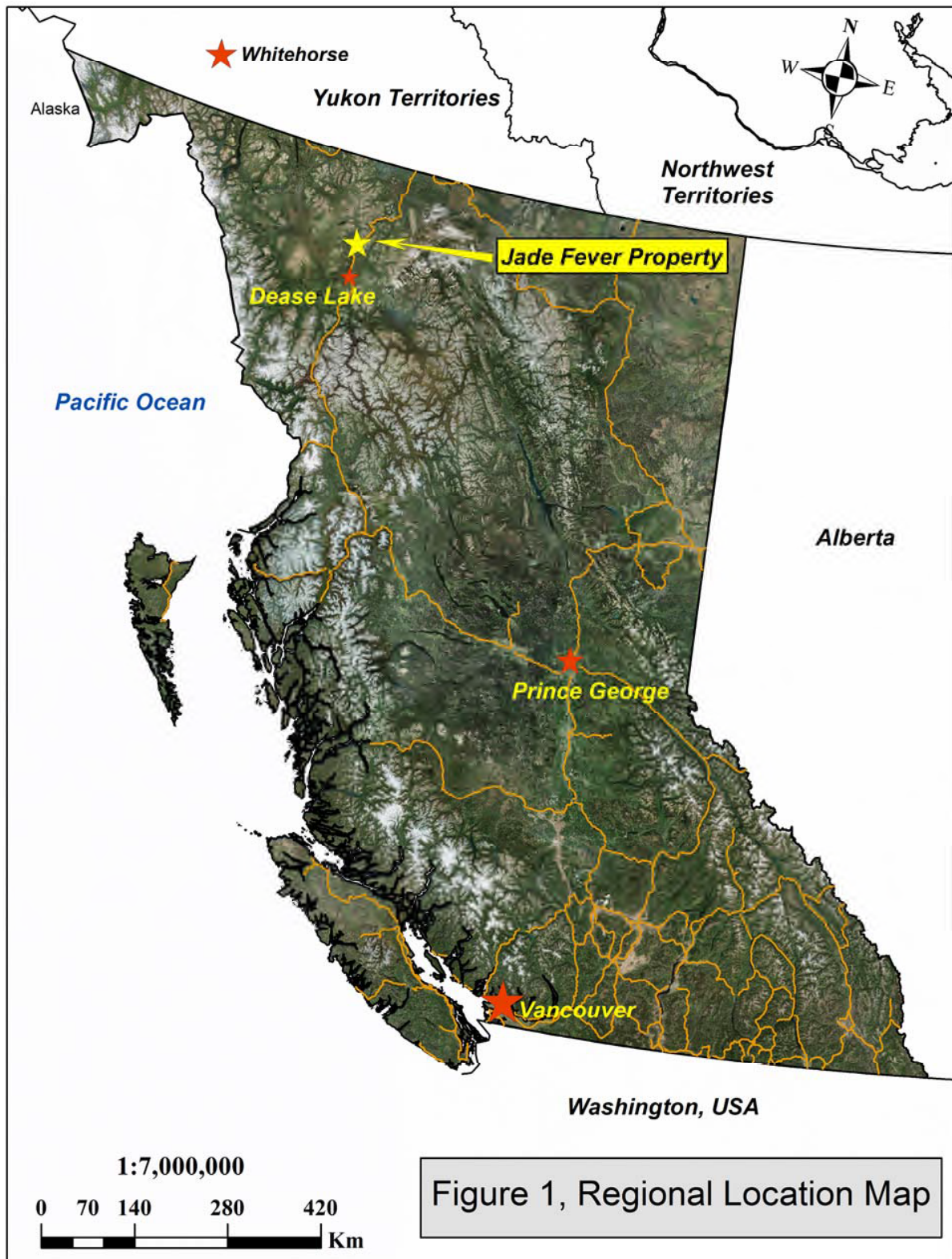
Total applicable exploration expenses on the Jade Fever Property during the 2015 exploration program for the purpose of this report amounted to **\$13,187.47**.

A Cost Statement is located in Appendix E.

The objective of the work program was to establish the proximity of potential nephrite bearing serpentinite bodies of rock. These nephrite bodies have most likely resulted from the metasomatic alteration of serpentinite during the process of serpentinization.

Claim data are indicated in Table #1 below, and verified by MTOline. Claim location is shown in Figures 2 through 4.

Figure 1; Property Location





## **2.0 LOCATION, ACCESS AND INFRASTRUCTURE**

The Jade Fever Property is located in northwest British Columbia, approximately 42 km north of town of Dease Lake, British Columbia (Figure 1).

The property is located on NTS map sheet 104J and BCGS map sheets 104J090 and 104J080. The northern boundary of the claim block where it intersects Hwy 37N is located at 59° 13' 14" latitude eastern boundary 129° 44' 30" longitude or UTM Zone 09, NAD 83; 6564837N and 457663E.

There is good access to the property from the Stewart-Cassiar highway (Hwy 37N) at Km 528.5, one kilometer south of Sawmill Point Camp Ground. At this location, subsidiary access roads lead to many parts of the Jade Fever Property, (Figure 3, Local Claim Location). Locally steep wooded terrain is seen the northern part of the property which makes ground access moderately difficult. All-terrain vehicles and walking are the current means of access for exploration. The property appears to have limited outcrop.

There are no private land lots within the Jade Fever Property tenure boundaries.

Limited supplies are available in Dease Lake, British Columbia, 42 kilometers south of the property. Most general supplies and services are available in Watson Lake, Yukon Territories approximately 230 kilometers north.

Commercial air service is available from April through October to Dease Lake by Northern Thunderbird Air (NTAir) three times a week from Terrace and Vancouver, BC..

The nearest major centers are; 1) Whitehorse, Yukon with a population of 27,000, located approximately 610 kilometers via Hwy 37N and the Alaska Highway and 2) Smithers, BC which services a population of 15,000, located 640 kilometers south via Hwy 37N and Hwy 16 east.

Only a few residents (20) remain in the nearby town site of Jade City which provides a small but highly skilled population base in the area, however most personnel needed for larger exploration programs would have to be hired from elsewhere.

### **3.0 CLIMATE VEGETATION & TOPOGRAPHY**

The climate is characterized by short, warm summers and long, cold winters. Underground mining can be conducted year round. Smaller bulk tonnage tests and open pit mining is most successfully conducted in the summer. Daily mean temperatures recorded at Dease Lake range from  $-18^{\circ}\text{C}$  in January to  $+13^{\circ}\text{C}$  in July. Annual snowfall has an average total accumulation of 218 cm.

The Jade Fever property covers ground mostly on the east side immediately adjacent to Hwy 37 N. The topography is moderately steep with the southwestern extremity of the property at 820 meters above sea level (masl) rising to over 1,430masl over 3.8km, a  $28^{\circ}$  slope.

Vegetation consists of forests of jack pine, lodge pole pine, black spruce, and poplar thinning to buck brush and alpine meadows above tree line at 1,450 to 1,500 meters. Valley bottoms comprise shallow lakes and swamps with thick, stunted growths of pine and spruce.

The valley floor directly to the west of the property is comprised of Dease Lake whose shores are 750 masl and is up to one and a half kilometers wide. Immediately to the north of the property the valley floor features swampy areas separated by low hills with elevations between 900 and 1,000 meters. To the east and west of Jade Fever, the valley slopes rise steeply to local peaks over 1,400 meters in elevation.

## 4.0 CLAIM STATUS

The Jade Fever Property consists of five contiguous mining claims in the Liard Mining District, NTS 104J totally 721 Ha. (Figure 3, Local Tenure Location).

The property's five claims Jade Fever 3, 4, 5, 6 and 7 were acquired by online staking by Donald W. Bunce over various years beginning in July 2009. Subsequently Donald Bunce entered into a 50% partnership agreement with Robin Bunce in July 2012.

The 2015 exploration program was conducted on Jade Fever 5 claim, Tenure No. 838284..

The Jade Fever claims cover the perimeter of a property known to host in-situ nephrite lenses, now known as the Empress 1,2 3 Property.

The claim tenure numbers, names, expiry dates, and areas that comprise the property are all currently in good standing and are listed in Table 1 below. Figures 2 and 3 illustrate the Jade Fever Property and its regional and local relationships to natural boundaries, adjacent mineral tenures, mining properties and infrastructure.

**Table 1, Mineral Tenures, Jade Fever Property, January 3, 2016**

<b>Table 1, Jade Fever Property, Mineral Tenures January 3, 2016</b>				
<b>Tenure Number</b>	<b>Claim Name</b>	<b>Issue Date</b>	<b>Good To Date</b>	<b>Area (Ha)</b>
666783	JADE FEVER 4	November 9, 2009	June 30, 2018	67.2
838284	JADE FEVER 5	November 13, 2010	June 30, 2018	67.2
918229	JADE FEVER 6	October 19, 2011	June 30, 2018	419.5
918269	JADE FEVER 7	October 19, 2011	June 30, 2018	100.6
1001902	JADE FEVER 8	June 27, 2012	June 30, 2018	67.1
			<b>Total Ha</b>	<b>721</b>

Figure 2; Regional Claim Location, Jade Fever Property

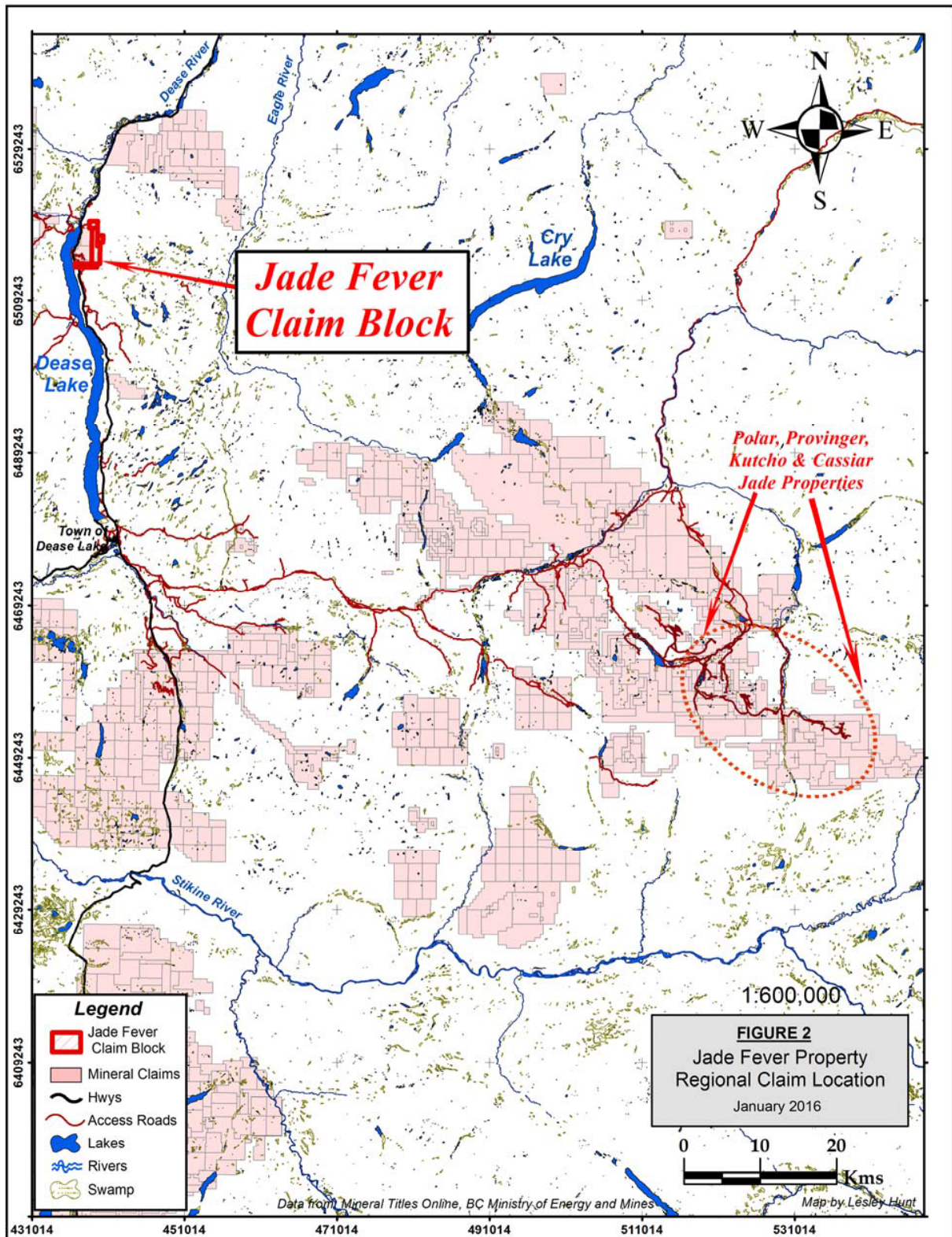
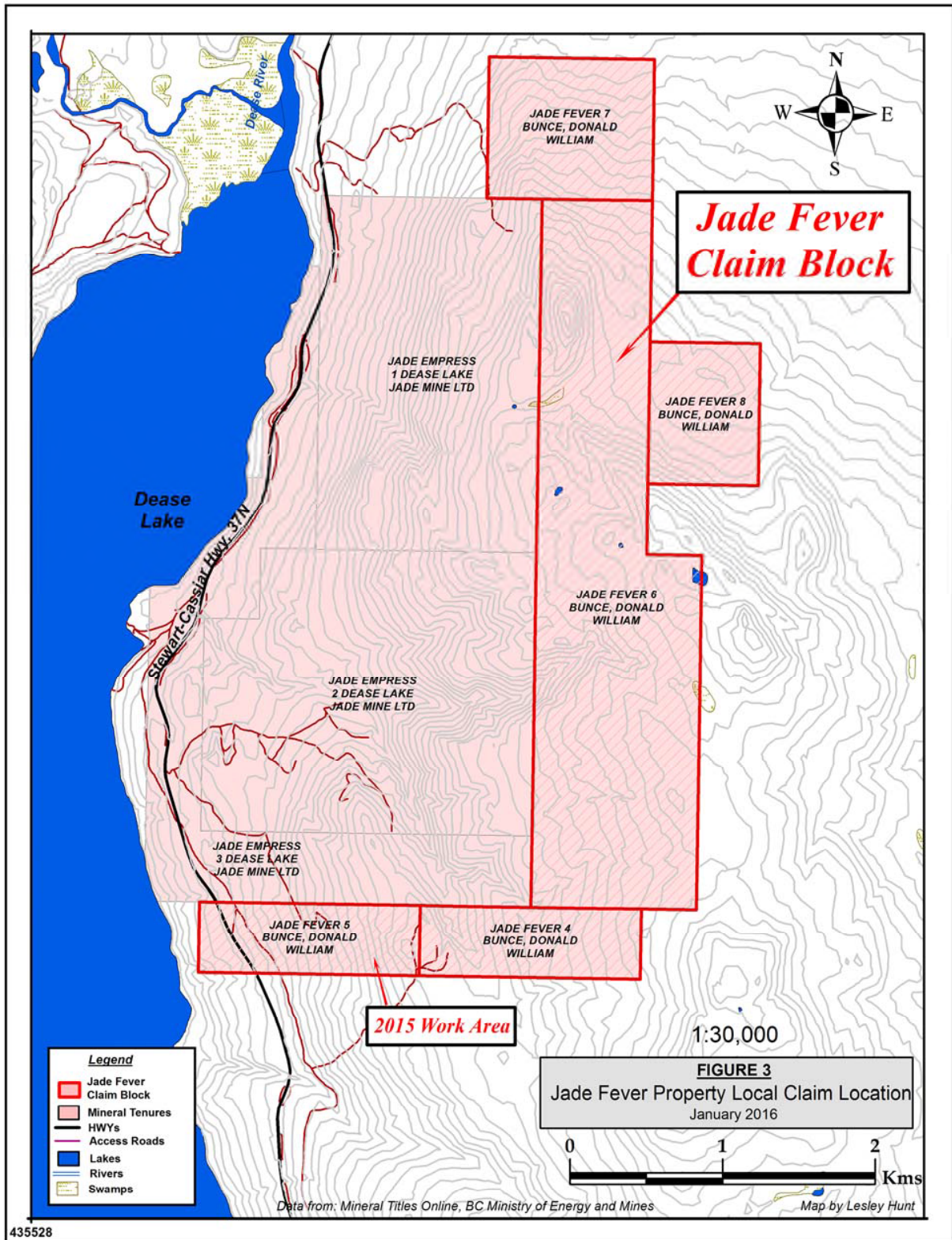


Figure 3; Jade Fever Property, Local Claim Location



## 5.0 JADE FEVER & AREA PROPERTY HISTORY

Late in the summer of 1963, a large nephrite boulder was found on the roadside where a culvert had been built for Seywerd Creek beneath the Cassiar-Stewart highway (Highway 37N). The creek flows into Dease Lake at Sawmill Point, near the lakes north end. Nephrite (jade) boulders were found in considerable quantity along the creek for more than 1.6 kilometers east of the road.

In 1965, a number of boulders were cut into slabs and shipped; about 1.8 tonnes of jade were sold in West Germany and about 3.1 tonnes in Japan.

Numerous nephrite boulders, some up to 4.5 tonnes in weight, have been found in the creek. Quality of the material in most instances is difficult to judge from the exposed surfaces, so as a consequence each boulder is initially sampled by breaking a slab along a sawcut 15 to 25 centimeters deep made with a portable diamond saw. Although some nephrite is sheared, and some have inclusions of magnetite or is mottled, some material of very good colour has been found (Minister of Mines Annual Report 1965, page 250).

Dynasty Jade Ltd. completed limited prospecting in the close proximity of the Jade Fever Property as reported in AR 29457. It is very unclear as to which year any work was done in as the only date reference in the entire assessment report is the new and old "Good to Dates" in a copy of a Claim Transaction Event. It appears as though they prospected on a few creeks that flowed from the heights of the Jade Fever Property into Dease Lake to the west.

During the period of Aug. 12, 2011 to Sept. 23, 2011, Donald Bunce operated a program consisting of rock sampling and subsequent assaying of 10 (ten) rock samples taken from five trenches and the construction of the exploration trail on the Jade Fever 4 claim. Results were limited to one sample #01B2 in trench #TR01/11. It had high readings of Ni - 2476 ppm and Cr - 1174 ppm.

During the period of Jun/29/2012 to Aug/20/2012, rock sampling and subsequent assaying of 10 (ten) rocks in 4 trenches, and the construction of the exploration trail was under taken on the Jade Fever 4 claim. Assay results indicate localized anomalous Ni, Cu, Co, Mn values which would be expected in samples retrieved from serpentinite rock.

In 2015, a work program on the Jade Fever 5 tenure consisted of 324 meters of exploration trail construction, excavation of 5 trenches and a lithochemical survey in which 35 rock grab samples were taken of both bedrock and glacial till rock within the excavated trenches and subsequently sent to ACME Labs for analysis.

## 6.0 GEOLOGICAL SETTING

### 6.1 Regional Geology of the Jade Fever Property

In British Columbia, nephrite deposits, both in place (in-situ) lenses and placer, are closely associated with a belt of alpine ultramafic rocks that extends for 1,000 miles from the Hope Area, east of Vancouver, northwestward to the Yukon border. There are over fifty known nephrite occurrences in British Columbia. Most of these are located in the Cassiar, Cry and Dease Lake, and Mount Ogden areas, as well as in Southern British Columbia. (Simandl et al, 2001).

The following brief description of these rocks is taken largely from McTaggart (1971).

The ultramafic bodies, most of which are peridotite or dunite, range in size from a few tens of feet across to batholiths with area greater than 70 square miles. In shape, they are sill-like and lenticular to equidimensional although elongate bodies are the most common. Many are cut by veins and dykes of dunite, pyroxenite and gabbro. Chromite, in pockets, lenses and vein-like masses, are almost always present. The bodies are commonly serpentinized, the degree of which ranges from incipient or partial in the larger masses to almost complete in the smaller, lenticular bodies. Talc rocks and mariposite bearing quartz-carbonate rocks are common but are usually restricted to shear zones and contacts.

These nephrite lenses can occur at or near the contacts of ultramafic/mafic rocks (mainly serpentinites) with cherts, and other metasedimentary or igneous felsic rocks of oceanic terranes such as the Cache Creek and Slide Mountain terranes. (Fig 5, Geological Terranes of the Jade Fever Area). These terrane contacts are almost always shear / fault related. (Leaming, 1978; Simandl et al., 2000).

The Cache Creek Terrane, a group of geologically complex dominantly oceanic lithologies consists of extensively structurally deformed and dislocated volcanic, carbonate, coarse clastic rocks and small amounts of ultramafic rocks, chert and argillite. The vast majority of these rocks are of Carboniferous to Lower Jurassic age (approximately 200 to 350 million years old).

The Cache Creek Terrane is bounded by the Thibert, Kutcho and King Salmon faults and consists of three geological formations: the Sitlika Assemblage, the Tezzeron succession and the Cache Creek Complex.

The contacts between the various lithologies and the lithologies themselves are strongly diachronous meaning that the ages of them vary widely. This is usually a result of a slowly advancing depositional environment, like a delta formation.

The Quesnel Terrane, which stretches from south central British Columbia to the southern Yukon Territory and is host to several significant copper-gold porphyry deposits, including the Copper Mountain, Highland Valley, Mt Polley and Mt Milligan deposits.

## General Information on Jadeite & Nephrite

Jade is the gem name for mineral aggregates composed of either or both of two different minerals, *Jadeite* and *Nephrite*. Jadeite is a sodium-rich aluminous pyroxene; nephrite is a fine-grained, calcium-rich, magnesium, iron, aluminous amphibole. All jade is composed of fine-grained, highly intergrown, interlocking ("matted" or "felted" texture, like asbestos or felt) crystals of one or both of these minerals. Though neither mineral is very hard (6-7), jade is one of the toughest gem minerals known because of the intergrown nature of the individual crystals.

It is difficult to impossible to distinguish nephrite jade from jadeite jade by visual inspection. Specific gravity determination is the most reliable of simple I.D. methods for distinguishing the two.

Most jade on the market is composed of nephrite. Jadeite jade is quite rare and in its emerald-green, translucent form is referred to as Imperial Jade or "gem jade". A small amount of Cr in jadeite accounts for the color of imperial jade. Other color-based names for jadeite jade are *Yunan Jade*, for a uniquely appearing dark green, semi translucent jade, *Apple Jade* for apple (yellowish green) green jade, and *Moss-in-Snow* for white jade with vivid green spots and streaks.

Nephrite and jadeite jade ranges in color from a somewhat greasy-appearing, white ("mutton fat jade") to dark and light shades of green, gray, blue-green, lavender, yellow, orange, brown, reddish-brown, and black. An important dark green variety of nephrite is sometimes known as "spinach jade". The chromophore in all nephrite jades is usually Fe. Nephrite jade is usually opaque to translucent in thinner pieces.

Jadeite and Nephrite were first distinguished as distinct varieties of jade based on chemical composition in the mid 1800's by Alexis Damour, a French chemist.



## **6.2 Property Geology, Jade Fever.**

The Jade Fever Property straddles the contact between the Cache Creek and the Quesnel Terranes. The northern quarter of the property is underlain by rocks of the Quesnel Terrane and the southern three quarters of the property is underlain by rocks of the Cache Creek Terrane. The property also straddles a tectonic contact with the Omenica Belt to the northeast and the Intermontane Belt to the southwest.

The known exposed rocks on the property are serpentinite of the Cache Creek Complex (CC). Rocks exposed along the creeks are dominantly argillites and greywackes of the Kedahda Formation, Mississippian-Triassic age.

The adjacent property owned by Dease Lake Jade, the Empress 1,2, 3 Property main outcrop exposure is composed mostly of serpentinite and tremolitic serpentinite with few asbestos veinlets to 3cm. Localized lensoid bodies of green nephrite and semi-nephrite were found in outcrop to 10 cm.

The proximity of these nephritic lenses is a positive indication that more could be found on the Jade Fever Property.

Given its prospective geological characteristics, the Jade Fever property is a viable early-stage in-situ nephrite target location. It must be recognized that the absence of any known previous, property-specific exploration and detailed quantitative data renders the proposed program a very early stage evaluation and a very feasible nephrite target area.

Figure 4; Regional Geology Map, Jade Fever Property

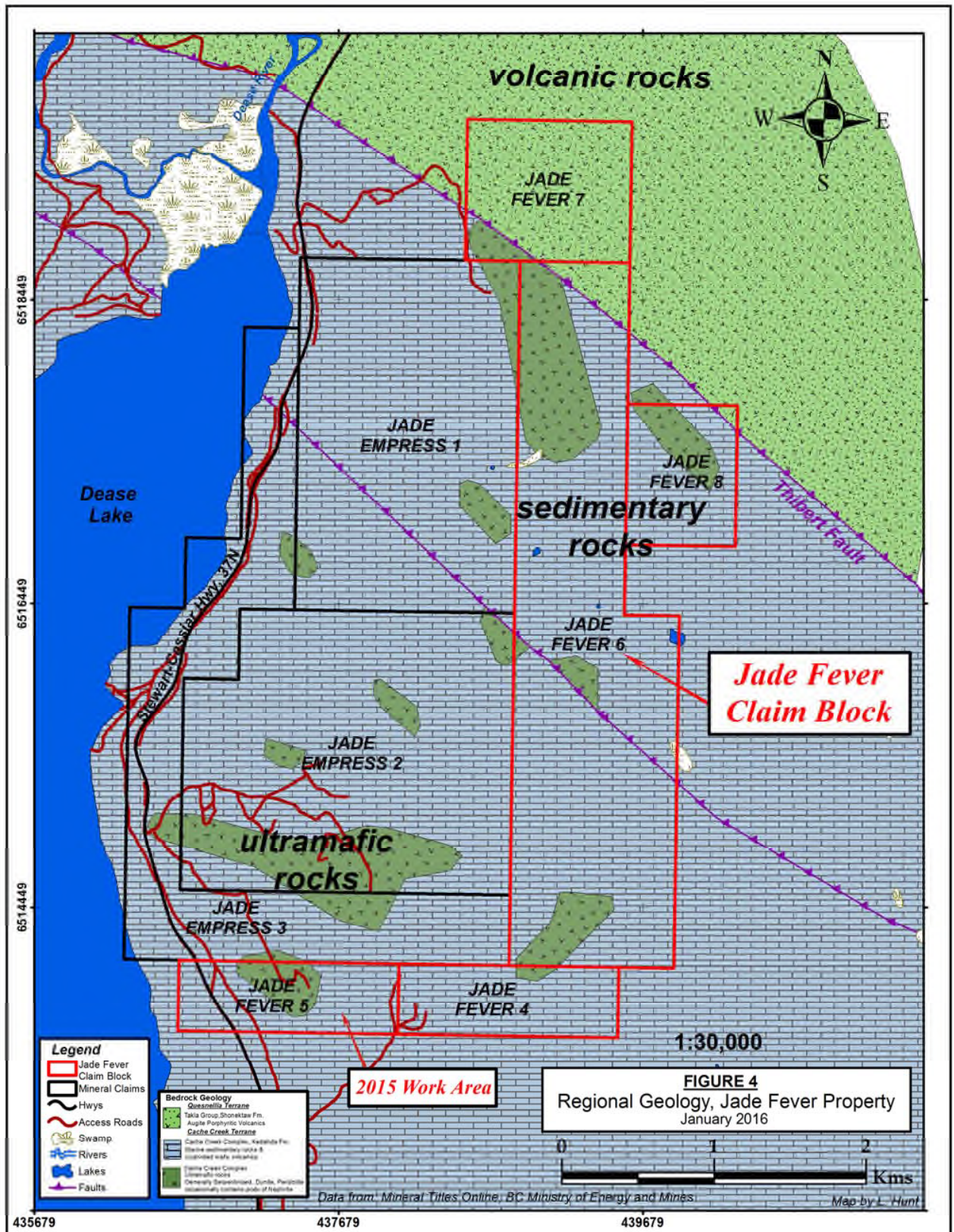
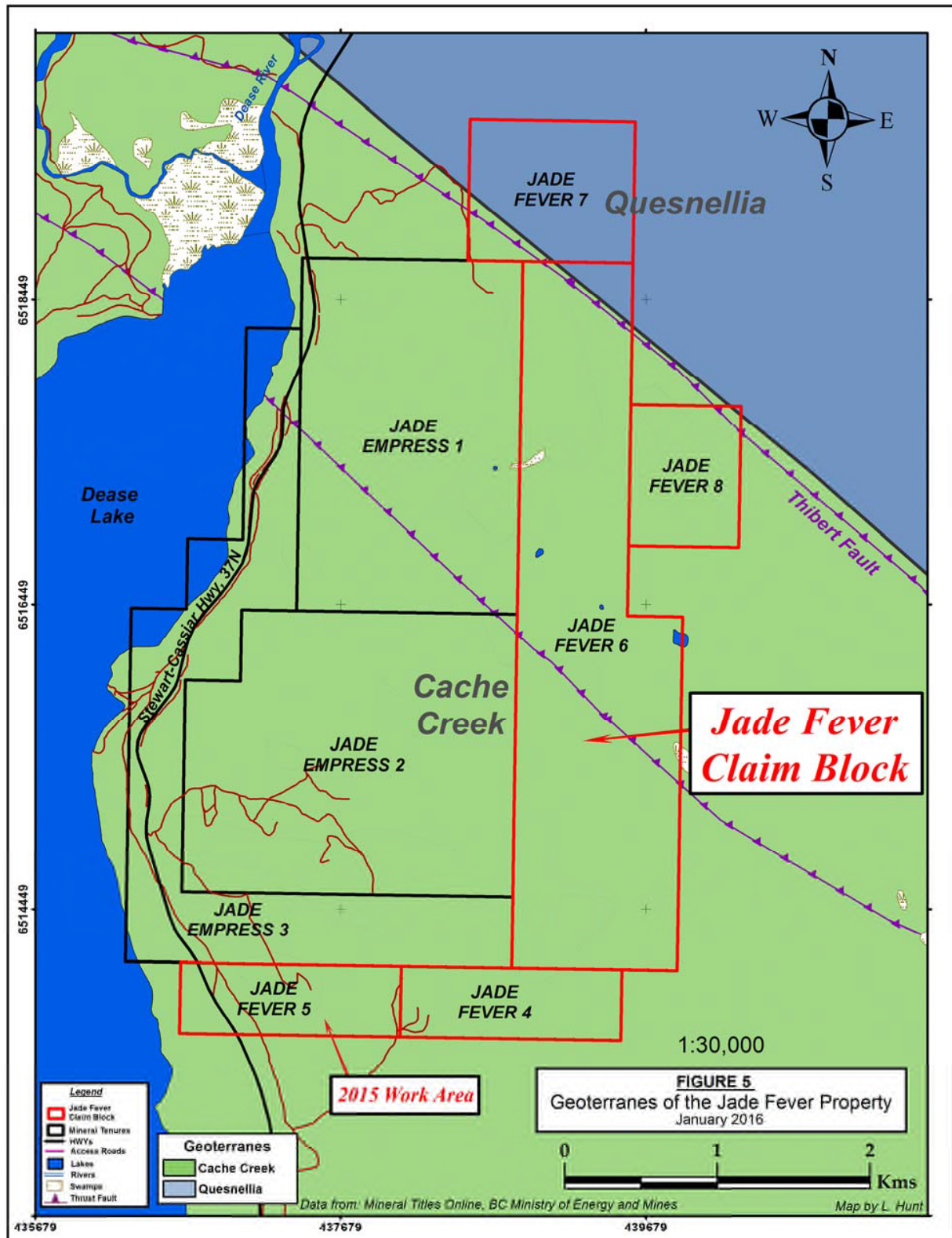


Figure 5; Geoterranes of the Jade Fever Property Area



## **7.0 2015 EXPLORATION PROGRAM**

This report documents the 2015 exploration program on the Jade Fever Property consisting of an exploration trail construction, trenching and lithogeochemical sampling conducted between August 22nd and September 11<sup>th</sup>, 2015 by Donald Bunce, on the Jade Fever 5 mineral tenure number 838284.

The objective of the trenching program was to discover in-situ nephrite lenses most likely hosted within the serpentinite rock. A secondary objective of the program was to more closely delineate the contact zone between the ultramafic rocks (serpentinite) and the metasediments (cherty argillites).

### **7.1 Trail Construction, Trenching and Sampling**

The 2015 assessment work consisted of exploration trail constructed using hand tools and a compact excavator (Kubota, KX41). Orientation was accomplished using Garmin eTrex GPS hand held unit.

A total of 534 meters of exploration trail was constructed. Average width of the trail was 2.0 meters.

Five trenches Nos. TR18/15 through TR22/15 totaling 18.2 meters were dug. Average depth of the trenches were 1.0 meter. All trenches were filled in and recontoured to the natural slope of the land.

A total of 21 (twenty-one) rock float grab samples and three rock samples from outcrop were taken and submitted to Acme Labs in Smithers, BC for Ultratrace Mass Spectrometry ICP analysis and an extra 14 elements including some Rare Earth Elements and Pt & Pd. The samples were analyzed using 15g sample splits.

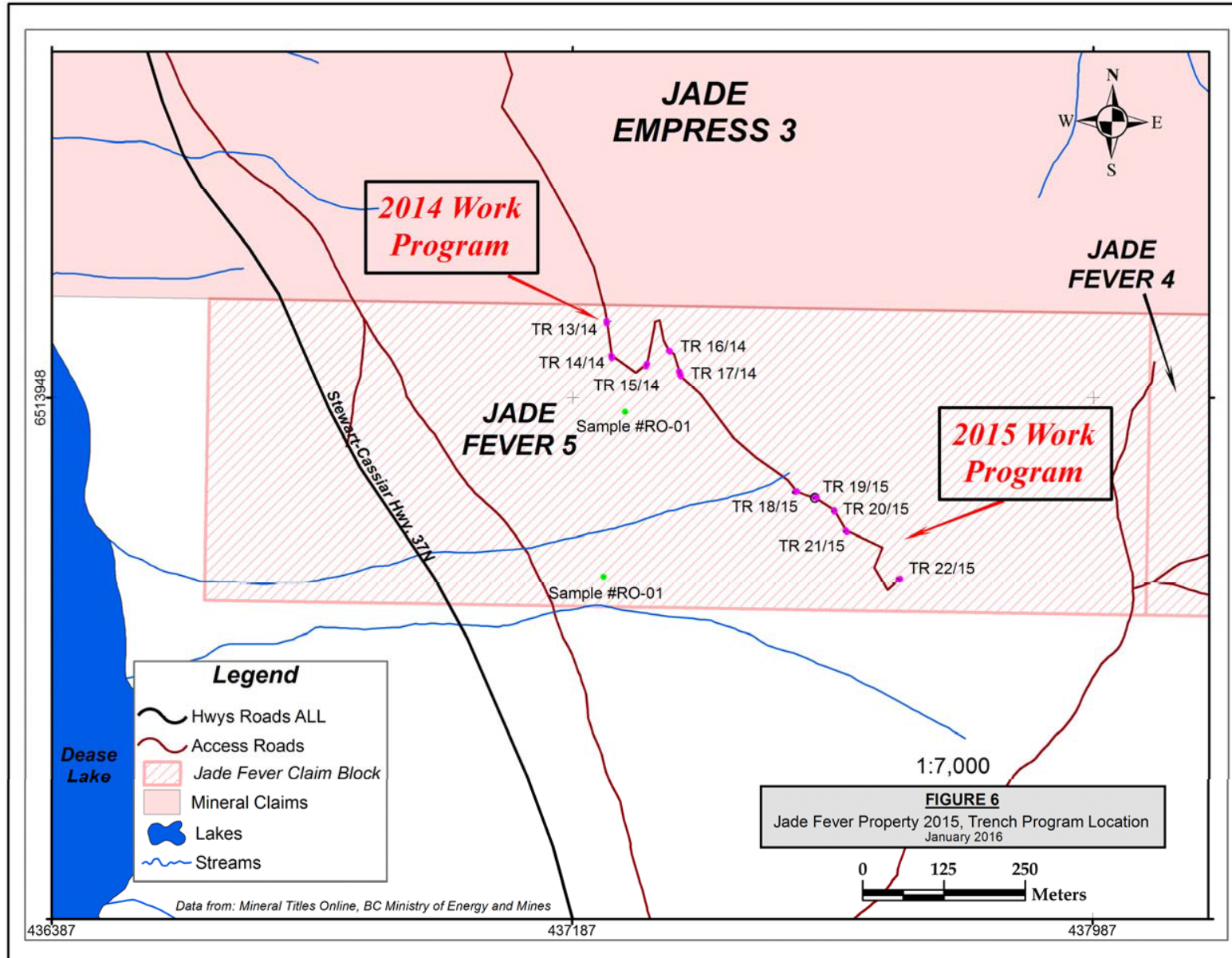
Complete lithogeochemical analysis results are located in Appendix A.

Complete lithogeochemical analysis and sample preparatory procedure descriptions are located in Appendix B.

Appendix C contains photos of the five trenches and the exploration trail that was excavated.

Detailed Trench Sketches showing sample location relative to trench boundaries is located in Appendix D. Figure 6, illustrates the Trenches with respect to claim boundaries.

Figure 6; Jade Fever Property 2015 Trench Program Location



### 7.2.1 Rock Geochemistry Results

A total of 22 (twenty-two) rock samples were collected in 5 (five) trenches on the Jade Fever Property during the 2015 work program. All of the rocks except for two, were collected within trench boundaries.

Of the 22 samples taken, 21 were from glacial till exposed in the trench bottoms. In trench 18, one of the 5 rock samples was taken from bedrock, the remainder were of glacial till rocks. The rock samples were analyzed for 39 elements by trace level methods, using Ultratrace ICP-MS Analysis and also for some Rare earth elements and Pt & Pd at Acme Labs in Smithers, BC.

Complete results for the litho-geochemical analyses for the 22 rock samples are located in Appendix A.

**Table 2, LithoGeochemical Minimum Detection Limits**

Table 2, ACME Labs Minimum Detection Limits					
Element	Unit	Minimum Detection Limits	Element	Unit	Minimum Detection Limits
Mo	ppm	0.01	Na	%	0.001
Cu	ppm	0.01	K	%	0.01
Pb	ppm	0.01	W	ppm	0.1
Zn	ppm	0.1	Sc	ppm	0.1
Ag	ppb	2	Tl	ppm	0.02
Ni	ppm	0.1	S	%	0.02
Co	ppm	0.1	Hg	ppb	5
Mn	ppm	1	Se	ppm	0.1
Fe	%	0.01	Te	ppm	0.02
As	ppm	0.1	Ga	ppm	0.1
U	ppm	0.1	Cs	ppm	0.02
Au	ppb	0.2	Ge	ppm	0.1
Th	ppm	0.1	Hf	ppm	0.02
Sr	ppm	0.5	Nb	ppm	0.02
Cd	ppm	0.01	Rb	ppm	0.1
Sb	ppm	0.02	Sn	ppm	0.1
Bi	ppm	0.02	Ta	ppm	0.05
V	ppm	2	Zr	ppm	0.1
Ca	%	0.01	Y	ppm	0.01
P	%	0.001	Ce	ppm	0.1
La	ppm	0.5	In	ppm	0.02
Cr	ppm	0.5	Re	ppb	1
Mg	%	0.01	Be	ppm	0.1
Ba	ppm	0.5	Li	ppm	0.1
Ti	%	0.001	Pd	ppb	10
B	ppm	1	Pt	ppb	2
Al	%	0.01			

## **8.0 CONCLUSIONS**

Given its prospective geological characteristics, the Jade Fever property is a viable in-situ Nephrite target location. It must be recognized that the absence of any known previous, property-specific exploration and detailed quantitative data renders the proposed program a very early stage evaluation.

The known Empress Jade 1,2,3 nephrite lenses, 1 kilometer to the northwest on the adjacent property owned by Dease Lake Jade also indicates the geological systems necessary to produce nephrite lenses in serpentinite.

## **9.0 RECOMMENDATIONS**

Soil geochemical research is recommended to establish the significance of any marker elements in-soil.

Following up on the geochemical research, a prospecting / geological mapping program is recommended.

In the summer of 2016, further exploration including trenching and further exploration trail construction will be completed.

## 10.0 REFERENCES

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**McTaggart, K. C.**, 1971, On the origin of ultramafic rocks; Geol. Soc. America Bull., v. 82, p. 23-42.

**Mihalynuk, M.G.** et al, Geological Fieldwork 1998, Paper 1999-1, Age Constraints For Emplacement Of The Northern Cache Creek Terrane And Implications Of Blueschist Metamorphism

**Simandl, G.J.**, Riveros, C.P. and Schiarizza, P (2000): Nephrite (Jade), Mount Ogden Area, Central British Columbia, (NTS 093N 13W); In: Geological Fieldwork 1999, British Columbia Ministry of Energy and Mines, Paper 2001-1, pages 339-347.

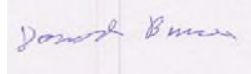
**Simandl, G.J.**, Paradis, S. and Nelson, J. (2001): Jade and Rhodonite Deposits, British Columbia Canada, In R.L. Bon editor, Proceedings of the 35th Forum on the Geology of Industrial Minerals – Intermountain West Forum, Salt Lake City 1999, pages 163-172.



## 11.0 STATEMENTS OF QUALIFICATIONS

I, Donald W. Bunce of 2156 Chief Lake Road, Prince George, BC, am the operator and 50% owner of the Jade Fever Property on which this report is written.

Donald Bunce, January 22, 2016.



I, **Lesley C. Hunt, of Km 602 Stewart Cassiar Hwy, Jade City, BC, do hereby certify that:**

- 1) I am a consulting geologist with an office at Km 602, Stewart Cassiar Hwy, Jade City, British Columbia, V0C 1E0.
- 2) This Statement of Qualifications applies to the 2015 Assessment Filing for Work qualifying for the Jade Fever Property.
- 3) I am a graduate of Lakehead University, 1985, with a B.Sc. in Geology.
- 4) This report is based on exploration work on the Jade Fever Property performed in 2015. I was not involved in the planning or executing of the exploration program, solely the transfer and editing of the data collected by Donald W. Bunce (operator).

Lesley  
Hunt

Digitally signed by Lesley Hunt  
DN: cn=Lesley Hunt, o=ca,  
email=lesleyhunt@lucnet,  
c=CA  
Date: 2016.01.22 02:38:25 -0700

Lesley Hunt, January 22, 2016

## **APPENDIX A**

### **2015 ACME Rock Geochemistry Analysis Results**



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

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

**Client:** **Donald Bunce**  
21670 Chief Lake Rd.  
Prince George BC V2K 5K5 CANADA

Submitted By: Donald Bunce  
Receiving Lab: Canada-Smithers  
Received: September 28, 2015  
Report Date: October 14, 2015  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

SMI1500083.1

### CLIENT JOB INFORMATION

Project: Jade Fever  
Shipment ID:  
P.O. Number  
Number of Samples: 24

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Donald Bunce  
21670 Chief Lake Rd.  
Prince George BC V2K 5K5  
CANADA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	24	Crush, split and pulverize 250 g rock to 200 mesh			SMI
1F15	24	1:1:1 Aqua Regia Digestion - Ultratrace ICP-MS Analysis	15	Completed	VAN
SHP01	24	Per sample shipping charges for branch shipments			SMI

### ADDITIONAL COMMENTS



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



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Project: Jade Fever  
Report Date: October 14, 2015

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Part: 1 of 3

# CERTIFICATE OF ANALYSIS

SMI15000083.1

Method	Analyte	Unit	MDL	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251		
				Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
				kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm		
				0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.001	0.1	0.01	0.2	0.1	0.5	0.01	0.02	0.02	2	0.001
1801	Rock			0.21	0.08	25.85	5.37	28.3	50	12.8	4.4	484	1.140	0.5	0.06	<0.2	1.4	441.6	0.02	0.03	0.09	11	2.124
1802	Rock			0.33	0.07	6.50	1.35	7.3	11	3.5	1.0	107	0.351	0.4	0.04	<0.2	0.4	3.4	<0.01	0.03	<0.02	2	0.035
1803	Rock			0.35	0.10	5.33	7.06	37.8	25	8.5	7.0	495	1.994	3.8	0.33	0.5	1.5	765.8	0.06	0.07	0.04	52	4.408
1804	Rock			0.33	0.22	23.49	7.18	30.7	40	7.1	7.5	328	1.334	1.8	0.32	<0.2	1.2	1884.5	0.11	0.08	0.04	36	6.360
1901	Rock			0.17	0.30	46.76	4.54	33.3	16	4.3	0.8	174	1.882	0.6	0.10	<0.2	1.4	12.5	0.09	0.09	0.13	6	0.056
1902	Rock			0.19	0.28	41.29	5.22	23.0	22	3.7	1.0	127	1.117	1.5	0.17	<0.2	1.8	27.5	0.08	0.06	0.13	5	0.061
1903	Rock			0.13	0.41	49.17	5.50	19.9	18	1.9	2.3	192	0.887	1.0	0.15	0.2	2.0	6.2	0.09	0.16	0.20	6	0.043
1904	Rock			0.20	0.89	34.22	1.50	36.1	16	11.7	2.8	84	0.696	0.8	0.33	<0.2	1.3	4.2	0.05	0.04	0.03	3	0.037
2001	Rock			0.26	0.27	20.94	0.63	70.1	21	12.5	17.6	738	4.125	2.0	0.10	<0.2	0.2	31.5	0.17	0.09	<0.02	115	3.900
2002	Rock			0.12	0.08	2.38	0.33	15.1	9	42.6	23.0	672	4.715	0.4	0.01	<0.2	0.1	16.4	0.07	<0.02	<0.02	129	0.700
2003	Rock			0.16	0.22	9.88	0.78	40.0	15	6.7	5.7	490	2.414	1.3	0.10	<0.2	0.8	50.8	0.06	0.02	<0.02	12	0.593
2004	Rock			0.14	0.15	5.39	0.35	12.8	7	41.6	12.0	447	1.527	0.1	0.02	<0.2	<0.1	48.2	0.13	0.05	<0.02	84	4.536
2101	Rock			0.24	0.03	33.83	0.53	24.9	9	50.8	19.2	549	2.561	0.8	<0.01	<0.2	<0.1	34.4	0.09	0.02	<0.02	142	3.002
2102	Rock			0.32	0.10	21.88	8.99	63.4	59	11.3	8.5	478	2.605	3.5	0.37	<0.2	1.7	75.1	0.16	0.10	0.05	66	2.382
2103	Rock			0.18	0.23	92.19	8.10	57.9	130	14.9	30.4	1061	5.291	14.4	0.23	2.7	0.9	54.5	0.10	0.19	0.03	197	2.904
2104	Rock			0.15	0.32	12.29	4.58	28.2	29	6.2	4.9	380	1.301	1.3	0.10	0.3	0.5	1849.3	0.09	0.08	0.02	38	8.808
2105	Rock			0.23	0.30	53.34	5.93	88.1	142	31.4	14.8	785	4.811	17.1	0.18	0.2	2.5	81.6	0.11	0.06	0.08	64	0.908
2201	Rock			0.15	0.63	24.83	8.19	37.4	72	13.2	11.0	531	1.751	2.8	0.28	0.4	1.6	58.6	0.23	0.12	0.05	54	1.229
2202	Rock			0.14	0.47	43.35	10.21	73.7	73	34.7	13.3	592	2.380	3.1	0.60	1.0	3.1	104.2	0.32	0.03	0.09	35	0.831
2203	Rock			0.18	0.19	98.88	0.92	67.8	40	47.2	29.7	781	5.538	0.1	0.07	0.7	0.1	10.9	0.14	0.05	<0.02	196	1.138
2204	Rock			0.21	0.20	9.34	1.21	61.3	13	8.8	2.7	740	2.052	0.3	0.06	0.8	0.5	5.3	0.05	0.03	<0.02	10	0.171
2205	Rock			0.20	0.25	60.22	0.39	48.8	25	58.4	27.3	648	4.039	0.2	0.09	<0.2	<0.1	22.5	0.16	<0.02	<0.02	155	2.746
RO01	Rock			0.27	0.08	13.62	2.71	75.2	7	38.4	9.4	1147	1.821	0.3	0.35	<0.2	4.2	7.8	<0.01	0.04	0.11	13	0.118
RO02	Rock			0.24	0.38	7.10	6.45	52.8	24	9.2	6.7	570	2.082	1.0	0.28	0.6	0.8	1463.5	0.48	0.20	0.04	71	5.105



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Project: Jade Fever  
Report Date: October 14, 2015

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# CERTIFICATE OF ANALYSIS

SMI15000083.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.001	0.001	0.001	0.01	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	
1801	Rock	0.017	5.7	10.0	0.43	184.5	0.067	2	0.581	0.010	0.100	0.06	0.02	10	<0.1	0.06	2.1	0.14	<0.1	0.09	0.11
1802	Rock	0.005	0.7	9.0	0.10	58.7	0.002	<1	0.175	0.001	0.066	<0.01	<0.02	<5	<0.1	<0.02	0.9	0.14	<0.1	<0.02	<0.02
1803	Rock	0.077	6.5	21.7	0.63	169.2	0.156	5	1.719	0.073	0.124	0.27	<0.02	8	<0.1	0.08	6.6	0.21	<0.1	0.25	0.16
1804	Rock	0.075	5.5	13.1	0.37	188.3	0.136	3	1.102	0.075	0.195	0.25	0.02	5	0.1	0.15	4.0	0.30	<0.1	0.19	0.18
1901	Rock	0.020	3.1	4.4	0.11	240.4	0.041	2	0.310	0.002	0.130	0.01	<0.02	9	<0.1	<0.02	1.1	0.17	<0.1	0.03	0.48
1902	Rock	0.016	2.7	4.7	0.18	246.1	0.050	2	0.395	0.002	0.136	0.01	<0.02	21	<0.1	0.04	1.3	0.15	<0.1	0.06	0.46
1903	Rock	0.010	2.5	5.5	0.12	455.6	0.094	3	0.361	0.001	0.227	0.01	0.04	13	<0.1	0.05	1.6	0.17	<0.1	0.08	0.60
1904	Rock	0.005	1.5	3.8	0.08	175.2	0.034	1	0.236	<0.001	0.088	0.01	<0.02	48	0.2	0.02	0.6	0.12	<0.1	0.05	0.22
2001	Rock	0.070	1.8	11.6	1.72	126.9	0.177	12	4.592	0.069	0.125	0.15	0.03	7	<0.1	<0.02	15.0	0.06	<0.1	0.21	<0.02
2002	Rock	0.060	2.3	79.4	1.84	139.9	0.186	2	2.517	0.144	0.038	0.10	<0.02	5	<0.1	0.03	10.9	0.05	<0.1	0.22	0.03
2003	Rock	0.018	5.6	11.9	0.77	58.5	0.107	5	1.328	0.203	0.018	0.09	<0.02	11	0.2	<0.02	7.0	0.03	<0.1	0.10	0.32
2004	Rock	0.008	<0.5	89.1	1.22	149.8	0.095	5	3.743	0.050	0.025	0.15	<0.02	<5	<0.1	<0.02	7.7	0.02	<0.1	0.02	<0.02
2101	Rock	0.013	0.5	71.8	1.51	60.9	0.216	4	3.118	0.045	0.015	0.12	<0.02	<5	<0.1	<0.02	9.6	<0.02	0.2	0.07	<0.02
2102	Rock	0.110	9.7	22.9	0.83	189.7	0.165	3	2.465	0.083	0.124	0.22	<0.02	9	0.1	0.03	10.1	0.17	<0.1	0.23	0.18
2103	Rock	0.060	3.7	9.1	2.33	130.2	0.198	11	3.730	0.083	0.093	0.03	0.02	19	0.6	<0.02	10.3	10.61	<0.1	0.38	0.02
2104	Rock	0.032	2.1	21.1	0.48	24.8	0.090	3	2.423	0.007	0.018	0.23	<0.02	6	<0.1	0.14	6.6	0.04	0.1	0.12	0.06
2105	Rock	0.102	12.1	26.2	1.84	340.9	0.110	<1	2.550	0.015	0.213	0.09	0.03	8	<0.1	0.04	7.6	0.10	<0.1	0.10	0.04
2201	Rock	0.106	6.6	28.8	0.49	389.5	0.192	4	1.176	0.043	0.197	0.42	0.03	24	<0.1	<0.02	4.0	0.32	<0.1	0.23	0.31
2202	Rock	0.108	11.0	25.6	0.85	1949.0	0.185	3	0.926	0.033	0.295	0.17	0.05	18	0.2	0.06	4.1	1.44	<0.1	0.35	0.18
2203	Rock	0.047	1.9	47.1	1.95	147.1	0.435	3	2.935	0.079	0.037	0.18	<0.02	<5	<0.1	<0.02	11.5	0.16	0.1	0.26	0.07
2204	Rock	0.020	4.0	7.6	0.69	70.9	0.103	4	1.102	0.140	0.031	0.06	<0.02	8	0.3	<0.02	7.4	0.06	<0.1	0.28	0.17
2205	Rock	0.065	1.5	138.9	1.70	988.7	0.363	2	3.477	0.021	0.008	0.10	<0.02	8	0.3	<0.02	10.9	0.03	0.3	0.17	0.03
RO01	Rock	0.015	23.7	8.8	0.61	129.8	0.041	3	0.946	0.002	0.233	0.02	0.05	23	<0.1	0.05	4.0	0.48	<0.1	0.10	0.20
RO02	Rock	0.083	5.3	50.5	0.64	93.2	0.181	3	2.077	0.025	0.073	0.49	<0.02	10	0.1	0.09	7.2	0.14	0.1	0.15	0.40



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# CERTIFICATE OF ANALYSIS

SMI15000083.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	Rb	Sc	Sn	S	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Weight	
Unit	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	g	
MDL	0.1	0.1	0.02	0.01	0.05	0.1	0.01	0.01	0.02	1	0.1	0.1	10	2	0.1	
1801	Rock	4.1	1.7	0.14	0.01	<0.05	2.4	5.25	11.98	<0.02	<1	0.1	5.2	<10	<2	15.1
1802	Rock	3.5	0.4	0.04	<0.01	<0.05	0.6	0.46	1.90	<0.02	<1	<0.1	1.9	<10	<2	15.3
1803	Rock	2.7	3.8	0.35	0.02	<0.05	6.2	8.93	14.06	<0.02	<1	0.3	8.5	<10	<2	15.0
1804	Rock	3.7	2.6	0.31	0.13	<0.05	5.6	7.52	11.49	<0.02	<1	0.1	5.2	<10	<2	15.0
1901	Rock	4.5	0.8	0.15	<0.01	<0.05	2.0	5.91	7.69	<0.02	<1	<0.1	2.1	<10	<2	15.1
1902	Rock	4.4	0.8	0.17	0.02	<0.05	2.7	2.16	6.66	<0.02	<1	<0.1	3.3	<10	<2	15.3
1903	Rock	6.8	1.0	0.31	<0.01	<0.05	2.6	1.00	5.66	<0.02	<1	0.2	2.8	<10	<2	14.6
1904	Rock	3.4	0.7	0.10	<0.01	<0.05	2.5	3.05	3.94	<0.02	1	<0.1	1.9	<10	<2	15.6
2001	Rock	2.2	8.9	0.26	<0.01	<0.05	5.4	8.10	5.31	<0.02	<1	0.2	19.7	<10	<2	15.5
2002	Rock	1.0	4.9	0.33	<0.01	<0.05	4.4	14.03	6.53	<0.02	<1	0.2	19.4	<10	<2	15.1
2003	Rock	0.5	5.9	0.32	<0.01	<0.05	1.9	33.20	14.73	0.03	<1	0.1	8.7	<10	<2	15.3
2004	Rock	0.7	3.6	0.05	<0.01	<0.05	1.0	3.17	0.81	<0.02	<1	<0.1	9.3	<10	2	14.5
2101	Rock	0.4	4.4	0.18	<0.01	<0.05	1.5	6.29	1.27	<0.02	<1	0.1	12.4	<10	<2	14.5
2102	Rock	2.9	4.3	0.51	<0.01	<0.05	5.8	11.91	19.88	<0.02	<1	0.3	11.0	<10	<2	15.6
2103	Rock	3.2	16.9	0.24	0.43	<0.05	12.6	10.72	8.35	<0.02	1	0.4	11.2	<10	<2	15.7
2104	Rock	0.5	4.6	0.23	<0.01	<0.05	3.6	4.23	4.18	<0.02	<1	0.3	5.2	<10	<2	14.9
2105	Rock	5.4	5.8	0.23	0.02	<0.05	3.3	7.72	22.30	<0.02	<1	<0.1	26.6	<10	<2	15.2
2201	Rock	4.4	2.8	0.39	<0.01	<0.05	6.7	8.15	15.04	<0.02	<1	0.1	4.6	<10	<2	14.9
2202	Rock	7.4	4.8	0.41	0.06	<0.05	10.1	8.37	22.25	<0.02	<1	0.2	6.4	<10	<2	15.7
2203	Rock	1.1	4.6	0.47	<0.01	<0.05	4.2	16.23	5.40	<0.02	<1	<0.1	20.9	<10	<2	14.9
2204	Rock	1.1	5.4	1.07	<0.01	<0.05	5.6	30.72	10.90	<0.02	<1	0.3	7.7	<10	<2	15.7
2205	Rock	0.2	6.3	0.37	0.09	<0.05	2.2	13.71	3.90	<0.02	3	<0.1	16.6	<10	<2	15.6
RO01	Rock	9.6	1.5	0.18	<0.01	<0.05	3.7	3.34	40.57	<0.02	<1	0.1	11.1	<10	<2	15.6
RO02	Rock	2.9	3.3	0.41	<0.01	<0.05	4.3	8.23	10.29	<0.02	<1	0.2	8.0	<10	<2	15.0



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Project: Jade Fever  
Report Date: October 14, 2015

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# QUALITY CONTROL REPORT

SMI15000083.1

Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.001	0.1	0.01	0.2	0.1	0.5	0.01	0.02	0.02	2	0.001	
Pulp Duplicates																					
REP ROCK-SMI	QC	0.86	6.15	1.58	47.1	16	1.3	4.5	482	1.777	1.2	0.41	0.3	2.5	31.1	0.11	0.03	<0.02	26	0.652	
Core Reject Duplicates																					
2001	Rock	0.26	0.27	20.94	0.63	70.1	21	12.5	17.6	738	4.125	2.0	0.10	<0.2	0.2	31.5	0.17	0.09	<0.02	115	3.900
DUP 2001	QC	0.22	21.12	0.62	76.4	19	13.0	18.5	745	4.240	2.1	0.09	<0.2	0.2	32.7	0.18	0.09	<0.02	119	4.093	
Reference Materials																					
STD DS10	Standard	15.23	161.43	151.72	385.3	1933	76.1	13.3	910	2.805	46.7	2.90	75.5	8.0	69.4	2.92	8.61	12.73	47	1.099	
STD OXC129	Standard	1.32	30.57	6.86	46.5	19	79.0	22.3	428	3.058	0.7	0.78	187.9	2.1	187.6	0.03	0.02	<0.02	55	0.714	
STD DS10 Expected		15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.001	<0.1	<0.01	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.001	
Prep Wash																					
ROCK-SMI	Prep Blank																				
ROCK-SMI	Prep Blank	0.88	5.39	1.33	48.6	9	1.2	4.4	480	1.763	1.4	0.39	0.7	2.4	33.3	0.10	<0.02	<0.02	27	0.658	
ROCK-SMI	Prep Blank	0.88	5.66	1.61	46.9	12	1.2	4.2	482	1.784	1.2	0.41	1.4	2.4	30.9	0.11	0.03	0.02	27	0.662	



Bureau Veritas Commodities Canada Ltd.  
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# QUALITY CONTROL REPORT

SMI15000083.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.001	0.001	0.001	0.01	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	
Pulp Duplicates																					
REP ROCK-SMI	QC	0.046	6.0	5.9	0.48	76.3	0.079	1	1.099	0.074	0.105	0.07	<0.02	<5	<0.1	<0.02	4.1	0.11	<0.1	0.19	0.14
Core Reject Duplicates																					
2001	Rock	0.070	1.8	11.6	1.72	126.9	0.177	12	4.592	0.069	0.125	0.15	0.03	7	<0.1	<0.02	15.0	0.06	<0.1	0.21	<0.02
DUP 2001	QC	0.072	2.0	11.3	1.76	138.9	0.186	13	4.762	0.065	0.125	0.16	0.02	<5	<0.1	<0.02	16.3	0.07	<0.1	0.24	<0.02
Reference Materials																					
STD DS10	Standard	0.077	18.9	57.1	0.79	350.0	0.092	7	1.102	0.068	0.350	3.29	5.47	295	2.5	4.98	4.6	2.76	<0.1	0.07	1.84
STD OXC129	Standard	0.101	13.6	53.0	1.54	52.6	0.413	1	1.645	0.593	0.388	0.08	0.05	<5	<0.1	<0.02	5.8	0.17	<0.1	0.16	1.12
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	5.1	300	2.3	5.01	4.5	2.63	0.08	0.06	1.62
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	0.03				5.6	0.16		0.24	1.4
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.001	<0.001	<0.001	<0.01	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02
Prep Wash																					
ROCK-SMI	Prep Blank																				
ROCK-SMI	Prep Blank	0.046	5.8	5.6	0.49	77.2	0.086	<1	1.128	0.145	0.115	0.07	<0.02	<5	<0.1	<0.02	4.3	0.11	<0.1	0.17	0.20
ROCK-SMI	Prep Blank	0.045	6.2	6.0	0.48	80.6	0.086	1	1.158	0.075	0.125	0.09	<0.02	6	<0.1	<0.02	4.2	0.12	<0.1	0.17	0.20





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# QUALITY CONTROL REPORT

SMI15000083.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	Rb	Sc	Sn	S	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Weight	
Unit	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	g	
MDL	0.1	0.1	0.02	0.01	0.05	0.1	0.01	0.01	0.02	1	0.1	0.1	10	2	0.1	
Pulp Duplicates																
REP ROCK-SMI	QC	2.2	2.8	0.28	0.03	<0.05	4.5	8.14	11.96	<0.02	<1	0.3	2.4	<10	<2	15.6
Core Reject Duplicates																
2001	Rock	2.2	8.9	0.26	<0.01	<0.05	5.4	8.10	5.31	<0.02	<1	0.2	19.7	<10	<2	15.5
DUP 2001	QC	2.1	9.2	0.23	<0.01	<0.05	5.7	8.14	5.70	<0.02	<1	0.3	19.8	<10	<2	14.8
Reference Materials																
STD DS10	Standard	29.8	3.0	1.84	0.28	<0.05	3.0	8.59	36.74	0.22	50	0.7	20.9	99	185	15.2
STD OXC129	Standard	15.9	1.1	0.75	<0.01	<0.05	16.5	5.07	24.19	<0.02	<1	0.8	2.2	<10	<2	15.0
STD DS10 Expected		27.7	3	1.6	0.29		2.7	7.77	37	0.23	50	0.63	19.4	110	191	
STD OXC129 Expected			1.1	0.7			21	4.7	23.7			0.8	2.22			
BLK	Blank	<0.1	<0.1	<0.02	<0.01	<0.05	<0.1	<0.01	<0.01	<0.02	<1	<0.1	<0.1	<10	<2	15.0
Prep Wash																
ROCK-SMI	Prep Blank															
ROCK-SMI	Prep Blank	2.2	3.4	0.29	0.03	<0.05	4.4	8.80	12.16	<0.02	<1	0.1	2.4	<10	<2	14.8
ROCK-SMI	Prep Blank	2.1	3.2	0.35	0.03	<0.05	4.8	8.32	12.45	<0.02	<1	<0.1	2.3	<10	<2	15.0

2015 Jade Fever Property Rock Analysis Results Summary

	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
	Unit	KG	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%
	Minimum DL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01
Smpl.	Type																												
No.																													
1801	Rock	0.21	0.08	25.85	5.37	28.3	50	12.8	4.4	484	1.140	0.5	0.06	<0.2	1.4	441.6	0.02	0.03	0.09	11	2.124	0.017	5.7	10.0	0.43	184.5	0.067	2	0.581
1802	Rock	0.33	0.07	6.50	1.35	7.3	11	3.5	1.0	107	0.351	0.4	0.04	<0.2	0.4	3.4	<0.01	0.03	<0.02	2	0.035	0.005	0.7	9.0	0.10	58.7	0.002	<1	0.175
1803	Rock	0.35	0.10	5.33	7.06	37.8	25	8.5	7.0	495	1.994	3.8	0.33	0.5	1.5	765.8	0.06	0.07	0.04	52	4.408	0.077	6.5	21.7	0.63	169.2	0.156	5	1.719
1804	Rock	0.33	0.22	23.49	7.18	30.7	40	7.1	7.5	328	1.334	1.8	0.32	<0.2	1.2	1884.5	0.11	0.08	0.04	36	6.360	0.075	5.5	13.1	0.37	188.3	0.136	3	1.102
1901	Rock	0.17	0.30	46.76	4.54	33.3	16	4.3	0.8	174	1.882	0.6	0.10	<0.2	1.4	12.5	0.09	0.09	0.13	6	0.056	0.020	3.1	4.4	0.11	240.4	0.041	2	0.310
1902	Rock	0.19	0.28	41.29	5.22	23.0	22	3.7	1.0	127	1.117	1.5	0.17	<0.2	1.8	27.5	0.08	0.06	0.13	5	0.061	0.016	2.7	4.7	0.18	246.1	0.050	2	0.395
1903	Rock	0.13	0.41	49.17	5.50	19.9	18	1.9	2.3	192	0.887	1.0	0.15	0.2	2.0	6.2	0.09	0.16	0.20	6	0.043	0.010	2.5	5.5	0.12	455.6	0.094	3	0.361
1904	Rock	0.20	0.89	34.22	1.50	36.1	16	11.7	2.8	84	0.696	0.8	0.33	<0.2	1.3	4.2	0.05	0.04	0.03	3	0.037	0.005	1.5	3.8	0.08	175.2	0.034	1	0.236
2001	Rock	0.26	0.27	20.94	0.63	70.1	21	12.5	17.6	738	4.125	2.0	0.10	<0.2	0.2	31.5	0.17	0.09	<0.02	115	3.900	0.070	1.8	11.6	1.72	126.9	0.177	12	4.592
2002	Rock	0.12	0.08	2.38	0.33	15.1	9	42.6	23.0	672	4.715	0.4	0.01	<0.2	0.1	16.4	0.07	<0.02	<0.02	129	0.700	0.060	2.3	79.4	1.84	139.9	0.186	2	2.517
2003	Rock	0.16	0.22	9.88	0.78	40.0	15	6.7	5.7	490	2.414	1.3	0.10	<0.2	0.8	50.8	0.06	0.02	<0.02	12	0.593	0.018	5.6	11.9	0.77	58.5	0.107	5	1.328
2004	Rock	0.14	0.15	5.39	0.35	12.8	7	41.6	12.0	447	1.527	0.1	0.02	<0.2	<0.1	48.2	0.13	0.05	<0.02	84	4.536	0.008	<0.5	89.1	1.22	149.8	0.095	5	3.743
2101	Rock	0.24	0.03	33.83	0.53	24.9	9	50.8	19.2	549	2.561	0.8	<0.01	<0.2	<0.1	34.4	0.09	0.02	<0.02	142	3.002	0.013	0.5	71.8	1.51	60.9	0.216	4	3.118
2102	Rock	0.32	0.10	21.88	8.99	63.4	59	11.3	8.5	478	2.605	3.5	0.37	<0.2	1.7	75.1	0.16	0.10	0.05	66	2.382	0.110	9.7	22.9	0.83	189.7	0.165	3	2.465
2103	Rock	0.18	0.23	92.19	8.10	57.9	130	14.9	30.4	1061	5.291	14.4	0.23	2.7	0.9	54.5	0.10	0.19	0.03	197	2.904	0.060	3.7	9.1	2.33	130.2	0.198	11	3.730
2104	Rock	0.15	0.32	12.29	4.58	28.2	29	6.2	4.9	380	1.301	1.3	0.10	0.3	0.5	1849.3	0.09	0.08	0.02	38	8.808	0.032	2.1	21.1	0.48	24.8	0.090	3	2.423
2105	Rock	0.23	0.30	53.34	5.93	88.1	142	31.4	14.8	785	4.811	17.1	0.18	0.2	2.5	81.6	0.11	0.06	0.08	64	0.908	0.102	12.1	26.2	1.84	340.9	0.110	<1	2.550
2201	Rock	0.15	0.63	24.83	8.19	37.4	72	13.2	11.0	531	1.751	2.8	0.28	0.4	1.6	58.6	0.23	0.12	0.05	54	1.229	0.106	6.6	28.8	0.49	389.5	0.192	4	1.176
2202	Rock	0.14	0.47	43.35	10.21	73.7	73	34.7	13.3	592	2.380	3.1	0.60	1.0	3.1	104.2	0.32	0.03	0.09	35	0.831	0.108	11.0	25.6	0.85	1949.0	0.185	3	0.926
2203	Rock	0.18	0.19	98.88	0.92	67.8	40	47.2	29.7	781	5.538	0.1	0.07	0.7	0.1	10.9	0.14	0.05	<0.02	196	1.138	0.047	1.9	47.1	1.95	147.1	0.435	3	2.935
2204	Rock	0.21	0.20	9.34	1.21	61.3	13	8.8	2.7	740	2.052	0.3	0.06	0.8	0.5	5.3	0.05	0.03	<0.02	10	0.171	0.040	4.0	7.6	0.69	70.9	0.103	4	1.102
2205	Rock	0.20	0.25	60.22	0.39	48.8	25	58.4	27.3	648	4.039	0.2	0.09	<0.2	<0.1	22.5	0.16	<0.02	<0.02	155	2.746	0.065	1.5	138.9	1.70	988.7	0.363	2	3.477
RO01	Rock	0.27	0.08	13.62	2.71	75.2	7	38.4	9.4	1147	1.821	0.3	0.35	<0.2	4.2	7.8	<0.01	0.04	0.11	13	0.118	0.015	23.7	8.8	0.61	129.8	0.041	3	0.946
RO02	Rock	0.24	0.38	7.10	6.45	52.8	24	9.2	6.7	570	2.082	1.0	0.28	0.6	0.8	1463.5	0.48	0.20	0.04	71	5.105	0.083	5.3	50.5	0.64	93.2	0.181	3	2.077

	Analyte	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Weight
	Unit	%	%	PPM	PPM	PPM	%	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPB	PPB	g
	Minimum DL	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Smpl.	Type																											
No.																												
1801	Rock	0.010	0.100	0.06	0.02	10	<0.1	0.06	2.1	0.14	<0.1	0.09	0.11	4.1	1.7	0.14	0.01	<0.05	2.4	5.25	11.98	<0.02	<1	0.1	5.2	<10	<2	15.1
1802	Rock	0.001	0.066	<0.01	<0.02	<5	<0.1	<0.02	0.9	0.14	<0.1	<0.02	<0.02	3.5	0.4	0.04	<0.01	<0.05	0.6	0.46	1.90	<0.02	<1	<0.1	1.9	<10	<2	15.3
1803	Rock	0.073	0.124	0.27	<0.02	8	<0.1	0.08	6.6	0.21	<0.1	0.25	0.16	2.7	3.8	0.35	0.02	<0.05	6.2	8.93	14.06	<0.02	<1	0.3	8.5	<10	<2	15.0
1804	Rock	0.075	0.195	0.25	0.02	5	0.1	0.15	4.0	0.30	<0.1	0.19	0.18	3.7	2.6	0.31	0.13	<0.05	5.6	7.52	11.49	<0.02	<1	0.1	5.2	<10	<2	15.0
1901	Rock	0.002	0.130	0.01	<0.02	9	<0.1	<0.02	1.1	0.17	<0.1	0.03	0.48	4.5	0.8	0.15	<0.01	<0.05	2.0	5.91	7.69	<0.02	<1	<0.1	2.1	<10	<2	15.1
1902	Rock	0.002	0.136	0.01	<0.02	21	<0.1	0.04	1.3	0.15	<0.1	0.06	0.46	4.4	0.8	0.17	0.02	<0.05	2.7	2.16	6.66	<0.02	<1	<0.1	3.3	<10	<2	15.3
1903	Rock	0.001	0.227	0.01	0.04	13	<0.1	0.05	1.6	0.17	<0.1	0.08	0.60	6.8	1.0	0.31	<0.01	<0.05	2.6	1.00	5.66	<0.02	<1	0.2	2.8	<10	<2	14.6
1904	Rock	<0.001	0.088	0.01	<0.02	48	0.2	0.02	0.6	0.12	<0.1	0.05	0.22	3.4	0.7	0.10	<0.01	<0.05	2.5	3.05	3.94	<0.02	1	<0.1	1.9	<10	<2	15.6
2001	Rock	0.069	0.125	0.15	0.03	7	<0.1	<0.02	15.0	0.06	<0.1	0.21	<0.02	2.2	8.9	0.26	<0.01	<0.05	5.4	8.10	5.31	<0.02	<1	0.2	19.7	<10	<2	15.5
2002	Rock	0.144	0.038	0.10	<0.02	5	<0.1	0.03	10.9	0.05	<0.1	0.22	0.03	1.0	4.9	0.33	<0.01	<0.05	4.4	14.03	6.53	<0.02	<1	0.2	19.4	<10	<2	15.1
2003	Rock	0.203	0.018	0.09	<0.02	11	0.2	<0.02	7.0	0.03	<0.1	0.10	0.32	0.5	5.9	0.32	<0.01	<0.05	1.9	33.20	14.73	0.03	<1	0.1	8.7	<10	<2	15.3
2004	Rock	0.050	0.025	0.15	<0.02	<5	<0.1	<0.02	7.7	0.02	<0.1	0.02	<0.02	0.7	3.6	0.05	<0.01	<0.05	1.0	3.17	0.81	<0.02	<1	<0.1	9.3	<10	2	14.5
2101	Rock	0.045	0.015	0.12	<0.02	<5	<0.1	<0.02	9.6	<0.02	0.2	0.07	<0.02	0.4	4.4	0.18	<0.01	<0.05	1.5	6.29	1.27	<0.02	<1	0.1	12.4	<10	<2	14.5
2102	Rock	0.083	0.124	0.22	<0.02	9	0.1	0.03	10.1	0.17	<0.1	0.23	0.18	2.9	4.3	0.51	<0.01	<0.05	5.8	11.91	19.88	<0.02	<1	0.3	11.0	<10	<2	15.6
2103	Rock																											

**APPENDIX B**

**ACME Labs Rock Sample**

**Preparatory and Analysis Procedures**



**BUREAU  
VERITAS**

# Sample Preparation

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**Receiving** Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

**Sorting and Inspection** Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness.

## SOILS

**SS80, SS230, SSXXX Drying and Sieving** Wet or damp soil samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (SS230), unless client specifies otherwise (SSXXX). Sieves cleaned by brush and compressed air between samples.

## ROCKS AND DRILL CORE

**PRP70-250, PRP70-500, PRP70-1000** Rock and Drill Core crushed to 70% passing 10 mesh (2mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis.

**PUL85, PULCB** Samples requiring pulverizing only are dried at 60°C and pulverized to 85% passing 200 mesh (75 microns), using a mild-steel pulverizer (PUL85), per 250g or a ceramic pulverizer (PULCB), per 100g.

**PULHP** Rock and Drill Core are pulverized by using a mortar and pestle.

## VEGETATION

**VGMAS** Plant material is dried then milled to 1mm

**VA475** Up to 0.1 kg of wet vegetation is ashed by heating to 475°C.

**VGWSH** Plant samples are washed with Type-1 water then dried at 60°C prior to analysis, per 100g.



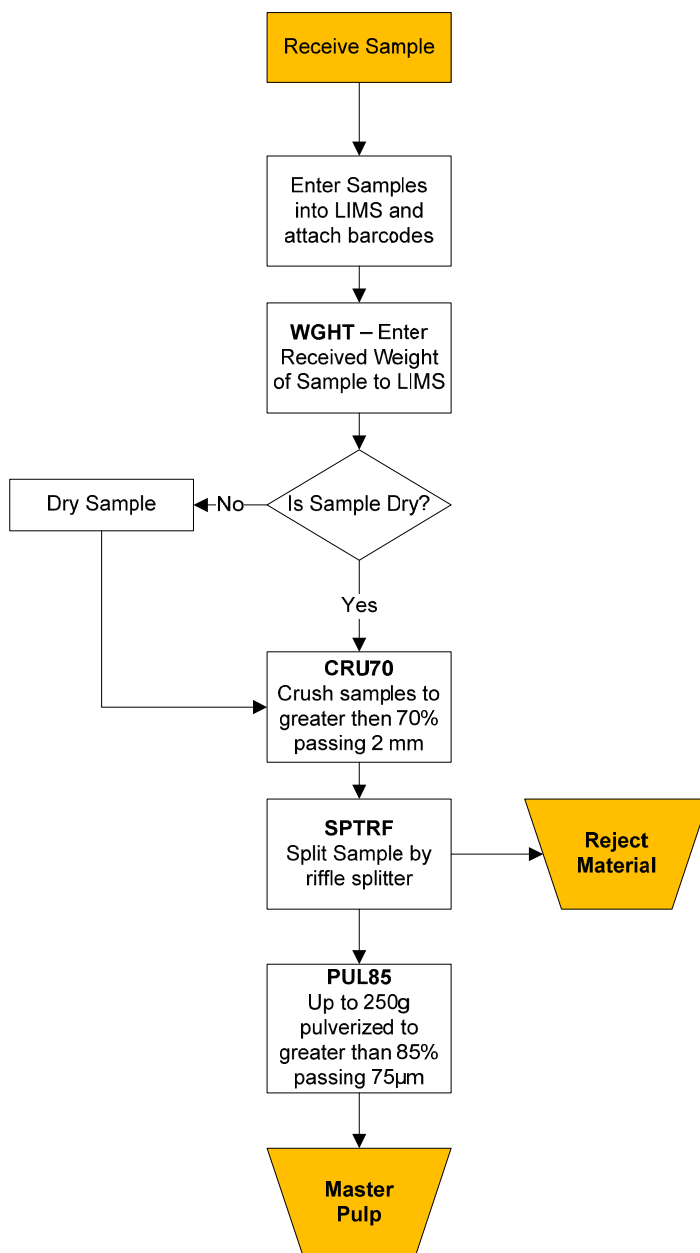
**BUREAU  
VERITAS**

# PRP70-250

Package Description

Sample Preparation of Rock and Drill Core

## FLOW CHART



Received samples are entered into the Laboratory Information Management System (LIMS), weighed, dried and crushed to ensure that greater than 70% pass a 2mm sieve. A split of the crushed material is then pulverized to greater than 85% passing a 75µm sieve.

At random intervals and at the start of each shift QC testing is completed on both crushed and pulverized material to ensure that the above specifications are met.

The flowchart to the left describes the standard practice. Additional splits of the pulp or reject may be taken at client request and to prepare internal Prep QC duplicates.

By default if clients have not specified otherwise Master Pulps are retained and storage charges apply. Rejects are stored for 90 days and are then disposed of at the client's cost.



# AQ250

Package Description	Ultra Trace Geochemical aqua regia digestion
Sample Digestion	HNO <sub>3</sub> -HCl acid digestion
Instrumentation Method	ICP-ES and ICP-MS
Legacy Code	1F
Applicability	Sediment, Soil, Non-mineralized Rock and Drill Core

## METHOD DESCRIPTION:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO<sub>3</sub> and DI H<sub>2</sub>O for one hour in a heating block or hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

Lead isotope Add On (+ISO) Pb<sub>204</sub>, Pb<sub>206</sub>, Pb<sub>207</sub>, Pb<sub>208</sub> are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.5g, 15g or 30g can be analyzed.

Element	AQ250 Detection	Upper Limit	Element	Detection Limit	Upper Limit	Element	Detection Limit	Upper Limit
Ag	2 ppb	100 ppm	Sb	0.02 ppm	2000 ppm	Y*	0.01 ppm	2000 ppm
Al*	0.01%	10%	Sc	0.1 ppm	100 ppm	Zr*	0.1 ppm	2000 ppm
As	0.1 ppm	10000 ppm	Se	0.1 ppm	100 ppm	<b>REE Add On</b>		
Au	0.2 ppb	100 ppm	Sr*	0.5 ppm	10000 ppm	Pr	0.02 ppm	2000 ppm
B*^	20 ppm	2000 ppm	Te	0.02 ppm	1000 ppm	Nd	0.02 ppm	2000 ppm
Ba*	0.5 ppm	10000 ppm	Th*	0.1 ppm	2000 ppm	Sm	0.02 ppm	10000 ppm
Bi	0.02 ppm	2000 ppm	Ti*	0.001%	5%	Eu	0.02 ppm	10000 ppm
Ca*	0.01%	40%	Tl	0.02 ppm	1000 ppm	Gd	0.02 ppm	10000 ppm
Cd	0.01 ppm	2000 ppm	U*	0.05 ppm	2000 ppm	Tb	0.02 ppm	10000 ppm
Co	0.1 ppm	2000 ppm	V*	2 ppm	10000 ppm	Dy	0.02 ppm	10000 ppm
Cr*	0.5 ppm	10000 ppm	W*	0.05 ppm	100 ppm	Ho	0.02 ppm	10000 ppm
Cu	0.01 ppm	10000 ppm	Zn	0.1 ppm	10000 ppm	Er	0.02 ppm	10000 ppm
Fe*	0.01%	40%	<b>Extended Package</b>			Tm	0.02 ppm	10000 ppm
Ga*	0.1 ppm	1000 ppm	Be*	0.1 ppm	1000 ppm	Yb	0.02 ppm	10000 ppm
Hg	5 ppb	50 ppm	Ce*	0.1 ppm	2000 ppm	Lu	0.02 ppm	10000 ppm
K*	0.01%	10%	Cs*	0.02 ppm	2000 ppm	<b>Lead Isotopes</b>		
La*	0.5 ppm	10000 ppm	Ge*	0.1 ppm	100 ppm	Pb <sub>204</sub>	0.01 ppm	10000 ppm
Mg*	0.01%	30%	Hf*	0.02 ppm	1000 ppm	Pb <sub>206</sub>	0.01 ppm	10000 ppm
Mn*	1 ppm	10000 ppm	In	0.02 ppm	1000 ppm	Pb <sub>207</sub>	0.01 ppm	10000 ppm
Mo	0.01 ppm	2000 ppm	Li*	0.1 ppm	2000 ppm	Pb <sub>208</sub>	0.01 ppm	10000 ppm
Na*	0.001%	5%	Nb*	0.02 ppm	2000 ppm	<b>PGM Add on</b>		
Ni	0.1 ppm	10000 ppm	Rb*	0.1 ppm	2000 ppm	Pt*	2 ppb	100 ppm
P*	0.001%	5%	Re	1 ppb	1000 ppb	Pd*	10 ppb	100 ppm
Pb	0.01 ppm	10000 ppm	Sn*	0.1 ppm	100 ppm			
S	0.02%	10%	Ta*	0.05 ppm	2000 ppm			

\* Solubility of some elements will be limited by mineral species present. ^Detection limit = 1 ppm for 15g / 30g analysis.

**APPENDIX C**  
**2015 Trench and Exploration Trail**  
**Photos**



***Trench TR18/15***



***TR18/15, Filled in, Trench Marked with a Pink Ribbon on a tree with a Labelled White Board***





***Trench TR19/15***



***TR19/15, Filled In, Trench Marked with a Pink Ribbon on a tree with a Labelled White Board***



*Trench TR20/15*



*TR20/15, Filled In, Trench Marked with a Pink Ribbon on a tree with a Labelled White Board*



***Trench TR21/15***



***TR21/15, Filled In, Trench Marked with a Pink Ribbon on a tree with a Labelled White Board***



***Trench TR22/15***



***TR22/15, Filled In, Trench Marked with a Pink Ribbon on a tree with a Labelled White Board***



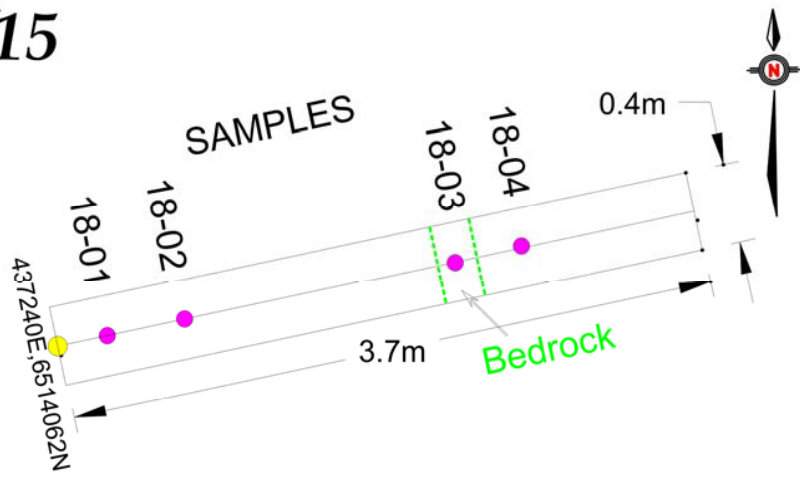
***Pic #1, Exploration Trail Construction Between TR 21/15 and TR22/15***



***Pic #2, Exploration Trail Construction Between TR 21/15 and TR22/15***

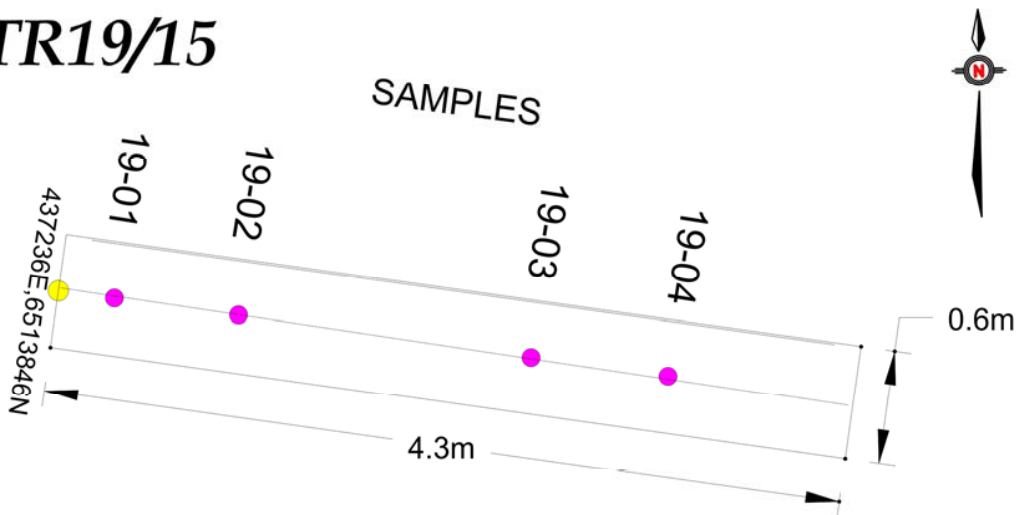
**APPENDIX D**  
**2015 Trench Detail Sketches**

# TR18/15



1.2m deep  
Overburden was mostly clay,  
with a few rocks.  
Bedrock was exposed as shown.  
Samples:  
18-01 - Grey black Argillite  
18-02 - Dark Grey extrusive Rock  
18-03 - Bedrock sample, Medium bluish grey  
extrusive rock,  
18-04 - Medium bluish grey extrusive rock

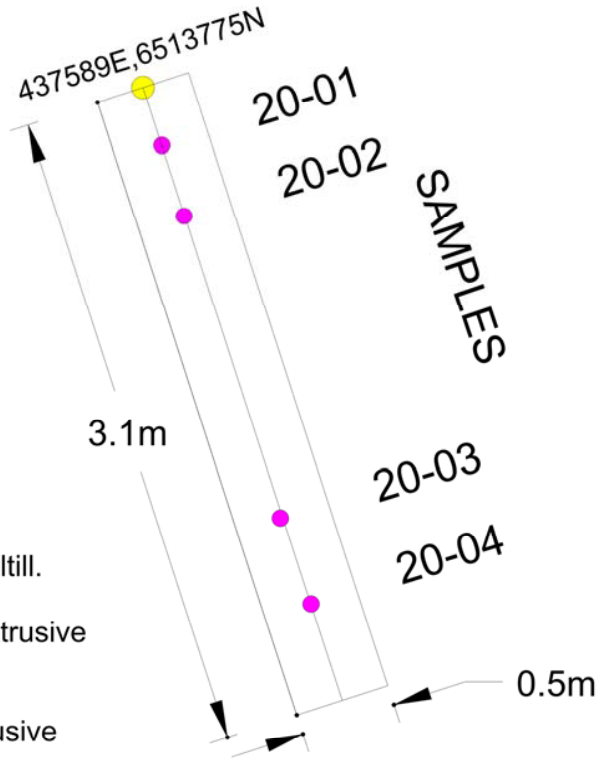
# TR19/15



1.0m deep  
Overburden was mostly glacial  
till of crushed slate.  
Samples:  
19-01 thru 19-04 - Dark Grey Slate

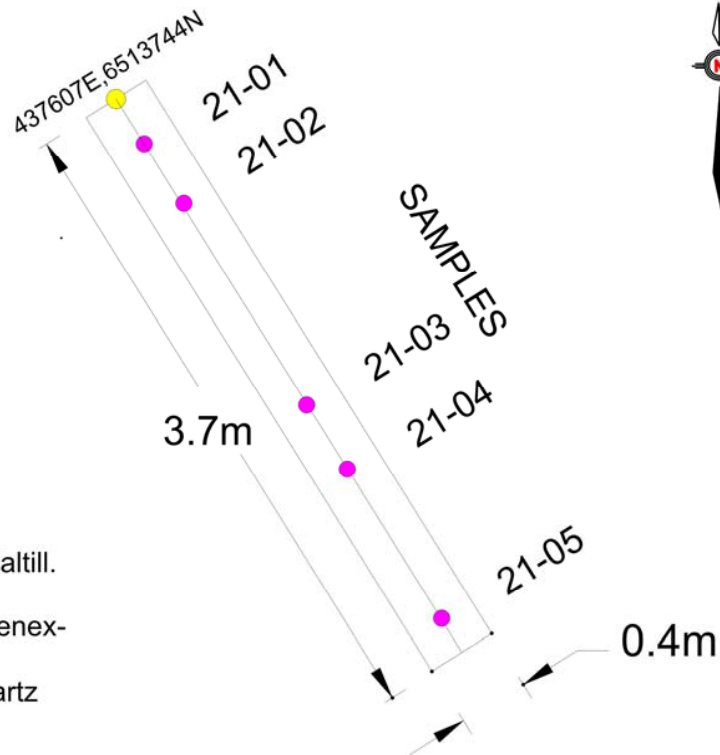


# TR20/15



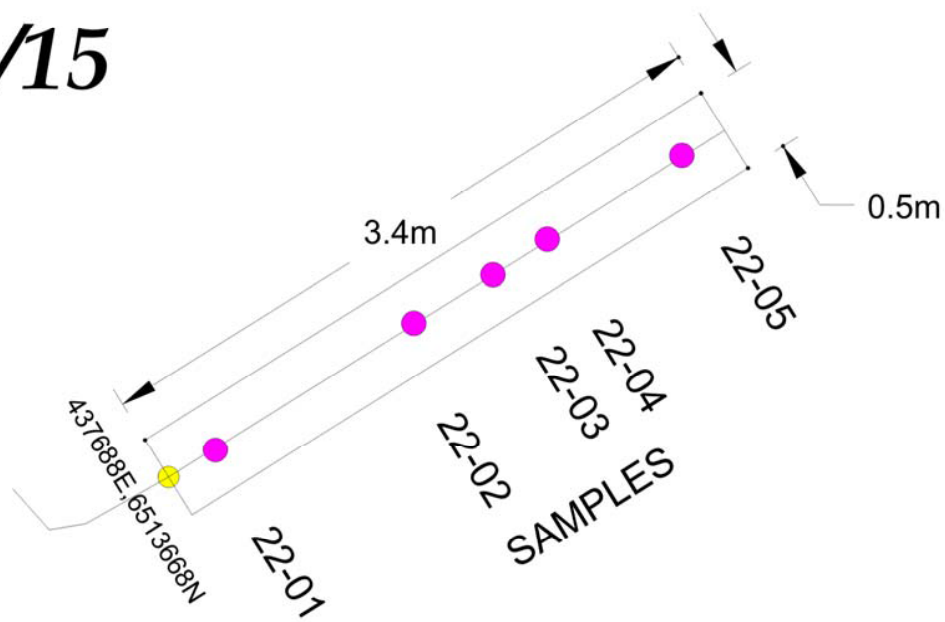
1.0m deep  
Overburden was mostly glacial till.  
Samples:  
20-01 thru 20-02 - Pale green extrusive rock  
20-03 - pale green chert  
20-04 - Medium Dark grey extrusive rock

# TR21/15



1.0m deep  
Overburden was mostly glacial till.  
Samples:  
21-01 thru 21-03 - Greyish green extrusive rock  
21-04 - Black Argillite with Quartz Stockwork  
21-05 - Black Argillite

# TR22/15



1.3m deep

Overburden was mostly glacial till.

Samples:

22-01-Medium to light grey extrusive rock

22-02&22-03-Green-grey extrusive rock

22-04-Greenish Grey chert

22-05-Medium to light grey extrusive rock

**APPENDIX E**  
**Jade Fever Exploration**  
**2015 Cost Statement**

## 2015 Jade Fever Trenching and Trail Construction Program Cost Statement

Exploration Work type	Comment	Days	Rate	Subtotal*	Totals
<b>Personnel (Name)* / Position</b>	<b>Field Days (list actual days)</b>	<b>Hours</b>	<b>Rate</b>	<b>Subtotal*</b>	
Donald Bunce/Project Manager	August 22nd thru Sept 11 2014	2.0	\$20.00	\$40.00	
Adena Bunce/ Laborer	August 22nd thru Sept 11 2014	2.0	\$20.00	\$40.00	
				\$80.00	<b>\$80.00</b>
<b>Office Studies</b>	<b>List Personnel (note - Office only, do not include field days)</b>				
Literature search			\$0.00	\$0.00	
Database compilation			\$0.00	\$0.00	
Computer modelling			\$0.00	\$0.00	
Reprocessing of data			\$0.00	\$0.00	
General research			\$0.00	\$0.00	
Report preparation	2015 Assessment Rpt. Lesley Hunt	1.3	\$600.00	\$800.00	
Report preparation	2014 Assessment Rpt Amendments	2.1	\$600.00	\$1,250.00	
				\$2,050.00	<b>\$2,050.00</b>
<b>Airborne Exploration Surveys</b>	<b>Line Kilometres / Enter total invoiced amount</b>				
Aeromagnetics			\$0.00	\$0.00	
Radiometrics			\$0.00	\$0.00	
Electromagnetics			\$0.00	\$0.00	
Gravity			\$0.00	\$0.00	
Digital terrain modelling			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Remote Sensing</b>	<b>Area in Hectares / Enter total invoiced amount or list personnel</b>				
Aerial photography			\$0.00	\$0.00	
LANDSAT			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Ground Exploration Surveys</b>	<b>Area in Hectares/List Personnel</b>				
Geological mapping					
Regional					<i>note: expenditures here</i>
Reconnaissance					<i>should be captured in Personnel</i>
Prospect					<i>field expenditures above</i>
Underground	Define by length and width				
Trenches	Define by length and width			\$0.00	<b>\$0.00</b>
<b>Ground geophysics</b>	<b>Line Kilometres / Enter total amount invoiced list personnel</b>				
Radiometrics					
Magnetics					
Gravity					
Digital terrain modelling					
Electromagnetics					<i>note: expenditures for your crew in the field</i>
SP/AP/EP					<i>should be captured above in Personnel</i>
IP					<i>field expenditures above</i>
AMT/CSAMT					
Resistivity					
Complex resistivity					
Seismic reflection					
Seismic refraction					
Well logging	Define by total length				
Geophysical interpretation					
Petrophysics					
Other (specify)					
				\$0.00	<b>\$0.00</b>
<b>Geochemical Surveying</b>	<b>Number of Samples</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Drill (cuttings, core, etc.)			\$0.00	\$0.00	
Stream sediment			\$0.00	\$0.00	
Soil			\$0.00	\$0.00	
Rock		22	\$40.89	\$899.64	
Water			\$0.00	\$0.00	
Biogeochemistry			\$0.00	\$0.00	
Whole rock			\$0.00	\$0.00	
Petrology			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$899.64	<b>\$899.64</b>

**2015 Jade Fever Trenching and Trail Construction Program Cost Statement**

<b>Exploration Work type</b>	<b>Comment</b>	<b>Days</b>	<b>Rate</b>	<b>Subtotal*</b>	<b>Totals</b>
<i>(Cont'd)</i>					
<b>Drilling</b>	<b>No. of Holes, Size of Core and Metres</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Diamond				\$0.00	
Reverse circulation (RC)			\$0.00	\$0.00	
Rotary air blast (RAB)			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Other Operations</b>	<b>Clarify</b>	<b>Hrs</b>	<b>Rate</b>	<b>Subtotal</b>	
Trenching	18.2 meters	2.8	\$53.37	\$146.77	
Exploration Trail Construction	534 meters	74.5	\$53.37	\$3,976.07	
Bulk sampling			\$0.00	\$0.00	
Underground development			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$4,122.83	<b>\$4,122.83</b>
<b>Reclamation</b>	<b>Clarify</b>	<b>Hrs</b>	<b>Rate</b>	<b>Subtotal</b>	
After drilling				\$0.00	
Monitoring			\$0.00	\$0.00	
Other (specify)	18.2m Trench Filing / Recontouring	2.0	\$53.37	\$106.74	
				\$106.74	<b>\$106.74</b>
<b>Transportation</b>		<b>Km</b>	<b>Rate</b>	<b>Subtotal</b>	
Airfare			\$0.00	\$0.00	
Taxi			\$0.00	\$0.00	
truck rental			\$0.00	\$0.00	
kilometers			\$0.00	\$0.00	
ATV			\$0.00	\$0.00	
fuel			\$0.00	\$0.00	
Helicopter (hours)			\$0.00	\$0.00	
Fuel (litres/hour)			\$0.00	\$0.00	
Other	Crew Travel to & from property 14 days	2415.00	\$0.55	\$1,328.25	
				\$1,328.25	<b>\$1,328.25</b>
<b>Accommodation &amp; Food</b>	<b>Rates per day</b>	<b>Days</b>			
Groceries			\$0.00	\$0.00	
Camp Rental			\$0.00	\$0.00	
Meals			\$0.00	\$0.00	
Room & Board	2 People 23 days	23.00	\$200.00	\$4,600.00	
				\$4,600.00	<b>\$4,600.00</b>
<b>Miscellaneous</b>					
Telephone			\$0.00	\$0.00	
Other			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Equipment Rentals</b>					
Field Gear (Specify)				\$0.00	
General Camp Supplies			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Freight, rock samples</b>					
			\$0.00	\$0.00	
			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>TOTAL Expenditures:</b>					<b>\$13,187.47</b>