



## **Ministry of Energy & Mines** Energy & Minerals Division

Energy & Minerals Division Geological Survey Branch

# ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]	TOTAL COST
AUTHOR(S)	SIGNATURE(S)
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S)	YEAR OF WORK
STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE	E(S)
PROPERTY NAME	
CLAIM NAME(S) (on which work was done)	
COMMODITIES SOUGHT	
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN	
MINING DIVISION	NTS
LATITUDEO," LONGITUDI	E" (at centre of work)
OWNER(S)	
1)	2)
MAILING ADDRESS	
OPERATOR(S) [who paid for the work]	
	2)
MAILING ADDRESS	
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, struct	ture, alteration, mineralization, size and attitude):
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSME	ENT REPORT NUMBERS

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			
Other			
DRILLING			
(total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
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	





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# Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: WU, DAVID TAIWAI (139437) Submitter: WU, DAVID TAIWAI (139437)

Recorded: 2010/FEB/23 Effective: 2010/FEB/23

D/E Date: 2010/FEB/23

#### Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 4472316

Work Type: Technical Work

Technical Items: Drilling, Geochemical, PAC Withdrawal (up to 30% of technical work

performed)

 Work Start Date:
 2009/OCT/02

 Work Stop Date:
 2009/OCT/26

 Total Value of Work:
 \$ 14659.62

Mine Permit No:

#### Summary of the work value:

Tenure Number	Claim Name/Property	Issue Date	Good To Date	То	# of Days For- ward	Area in Ha	Applied Work Value	Sub- mission Fee
512840		2005/may/17	2010/mar/26	2016/jul/23	2311	413.65	\$ 20933.89	\$ 1047.60

#### **Financial Summary:**

Total applied work value:\$ 20933.89

PAC name: 145966
Debited PAC amount: \$6274.27
Credited PAC amount: \$0.0

**Total Submission Fees:** \$ 1047.6

Total Paid: \$ 1047.6

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## ASSESSMENT REPORT

On

а

**Drill Core Sampling Program** 

on the

BC Geological Survey Assessment Report 31745

### **CASTLE PROPERTY**

LIARD MINING DIVISION, BC

BCGS 104G.089, 090

**Exploration on Tenure** #512840

Work filed on Tenure #512840

NTS: 104G/16E LATITUDE: 57° 48' 32"N LONGITUDE: 130° 10' 55"W

OWNER: Bearclaw Capital Corp
OPERATOR: Brett Resources Ltd.
CONSULTANT: Discovery Consultants
AUTHOR: A. Koffyberg, PGeo
DATE: April 30, 2010

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#### 1.0 **SUMMARY**

Brett Resources conducted a limited exploration program on the Castle property as part of doing due diligence toward a possible option on the property. The Property consists of one MTO mineral claim covering 413 hectares, owned 100% by Bearclaw Capital Corporation.

The property is located within the Klastine Plateau in northwest BC. The town of Dease Lake lies 70 km to the north. The Property is entirely above the tree-line in alpine terrain, with elevations ranging from 1650 m to 2100 m.

Geologically the property lies within the Stikine Terrane, consisting of island arc volcanics, situated along the northern margin of the Bowser Basin. Locally, the property is underlain by intermediate volcanics and volcanic derived sedimentary rocks of the Jurassic Hazelton Group. The volcanic rocks have been subdivided into three units: interbedded andesites and breccias that are commonly porphyritic; coarse andesitic fragmentals; and maroon, distal tuffs. Finegrained epiclastic sedimentary rocks outcrop in the south part of the Property, consisting of limestones, argillites and tourmalinized siltstones.

The volcanics and sedimentary rocks are intruded by sills and dykes of felsite, feldspar porphyry and syenodiorite. Alteration within the volcanics occurs as pyritization and propylitic alteration (chlorite, epidote  $\pm$  magnetite). In addition, there is locally pervasive pyrite-sericite-quartz alteration near conjugate sets of faults, as veins and veinlets up to 30 cm in width. Visible gold has been noted at several locations, associated with the pyrite-sericite-quartz bearing structures.

Brett Resources re-logged and re-analysed a selected part of drill cores from a 1988 exploration program carried out by Teck Corporation, in order to determine the accuracy and reproducibility of the previous work. In total, 42 drill core samples were logged, split and analysed. Brett resampled the same intervals using ½ of the split core that was left, or ¼ of the original core.

Within DDH88-8, sample 86811 yielded 211 ppb Au, 2.1 ppm Ag and 0.20% Cu across 1.3 m. Teck's 1988 results yielded 5622 ppb Au, 4.8 ppm Ag and 0.40% Cu across the same interval. Other intervals are comparable to or slightly lower than Teck's reported values. Brett Resources obtained a weighed average from 42.2 to 48.1 m of 609 ppm Au and 978 ppm Cu across 5.9 m.

The 2009 exploration program is limited in scope. Previous work indicated that several surface gold showings had not yet been adequately tested. The eastern part of the Property also remains under-explored. Further prospecting, rock sampling and an IP survey extended to the east is warranted.

### 2.0 INTRODUCTION

This report has been prepared at the request of Bearclaw Capital Corporation ("Bearclaw"). Brett Resources was the operator of the 2009 exploration program, having the objective of determining whether to option the Castle property ("Property"). Discovery Consultants of Vernon, BC has been retained to write and summarize the work for assessment purposes.

This report describes the results of exploration activities that took place on October 22 and 26, 2009. Drill core from Teck Corporation's ('Teck") 1988 exploration program was located on the Property. Drill core from one hole was transported by helicopter to a point along Highway 37, the Stewart-Cassiar Highway, and trucked to a warehouse in Smithers for re-logging, splitting and analysis.

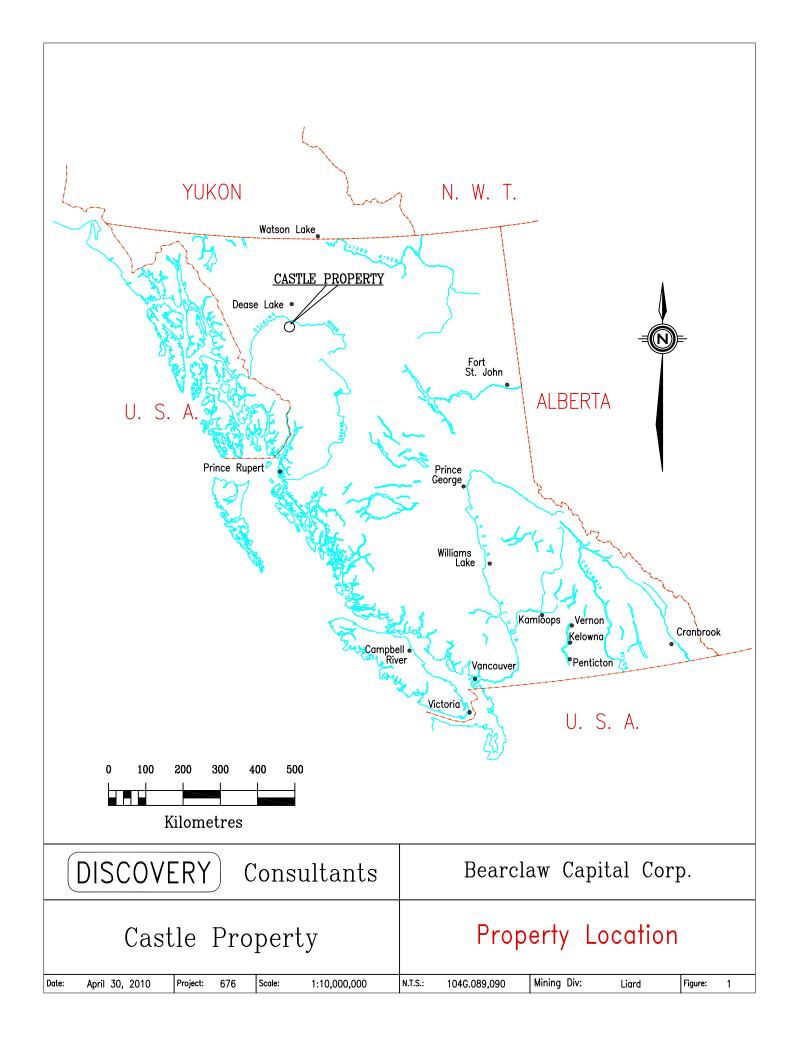
This work was filed under MTO Statement of Work #4472316, dated February 23, 2010.

### 3.0 LOCATION AND ACCESS

The Property is located on the southwest slope of Tsazia Mountain, within the Klastline Plateau, in northwest BC. It can be located on NTS sheet 104G/16E (Figure 1), within the Liard Mining Division. The centre of the Property lies at latitude 57°48′32″ N and longitude 130°10′55″ W.

The community of Iskut and the town of Dease Lake lie on the Stewart-Cassiar Highway and are situated 15 km to the east and 70 km to the north, respectively. Access to the property is by helicopter from a year-round base at Dease Lake, or from seasonal bases along the Stewart-Cassiar Highway at Tatogga Lake and Iskut.

The Red Chris copper-gold porphyry deposit lies about 29 km to the east of the Property. Owned and operated by Imperial Metals Corporation, it is at the mining development stage of production.



#### 4.0 TOPOGRAPHY

The Property is located southwest of Tsazia Mountain within the Klastine Plateau, a small plateau within the regional Stikine Plateau. The Property is entirely above the tree-line in alpine terrain, with elevations ranging from 1650 m to 2100 m. Higher elevations form rugged cliffs while alpine meadows occur at lower elevations. Snow-free conditions are generally from late June until early September.

Drainage on the Property is to the northwest to join Purdy Creek at lower elevations, outside of the claim boundary. Purdy Creek is a tributary of Klastine Creek, which continues westward to eventually drain into the Stikine River.

### 5.0 PROPERTY DESCRIPTION

The Property consists of one mineral MTO mineral claim covering 413 hectares, owned 100% by Bearclaw Capital Corporation. Table 1 lists the details of the claim tenure and Figure 2 shows the location of the claim, along with the location of the DDH88-8 that was re-analysed.

**TABLE 1: Tenure Description** 

Tenure Number	Area (ha)	Registered Owner	Good to Date**
512840*	413.65	Bearclaw Capital Corp. (145966)	2016/Jul/23
Total:	413.65		

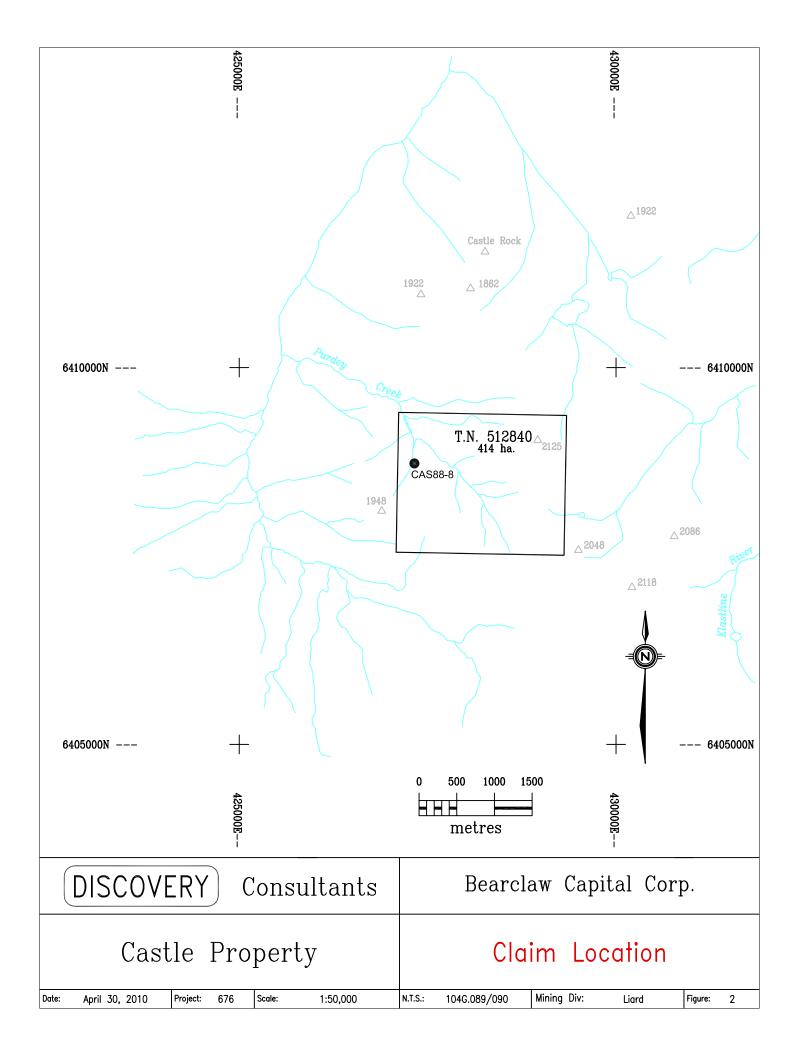
<sup>\*</sup> Claim on which work was done

#### 6.0 EXPLORATION HISTORY

The Property was first worked on by Sumitomo Mining and Metal of Canada in 1970. The company carried out a program of soil sampling in 1971, followed by 549 metres of diamond drilling in 5 holes in 1973. An assessment report was filed on the soil results alone (AR 3291).

The Castle #1 and #2 claims were staked by Teck in 1980. The company performed a limited soil sampling and mapping program, which delineated gold, silver and copper anomalies within a zone of pyritized volcanic rocks. The Castle #1 claim was allowed to lapse. In 1985

<sup>\*\*</sup> Good to date is dependent on the acceptance of this report



Teck continued with further work that included hand trenching, chip sampling, and magnetometer, self – potential (SP) and VLF geophysical surveying. Chip sampling yielded 8 g/t Au over 3 m. Additional claims (CAS 1-4) were staked.

A Joint Venture agreement with Kappa Resources Corporation in 1987 resulted in an exploration program consisting of geophysical, geological and soil sampling surveys as well as hand trenching. New gold showings were outlined, including one with 32.6 g/t Au over 1.0 m. The following year, the JV completed 1,190 m of diamond drilling in 11 holes. DDH88-7 yielded 4.5 g/t Au over 7.6 m, including 11 g/t Au over 1.2 m.

Triumph Resources optioned the property in 1990 and completed further hand trenching and geochemical sampling. In the area of DDH 88-7, hand trenching and sampling resulted in 5.6 g/t Au across 17.8 m.

Teck continued exploring the Property in 1997 by completing a 1:10,000 scale geological map of the Property, and exploring the Castle East Zone (east of the current claim boundary) with rock and chip sampling programs.

The Castle #2 was purchased from Teck on behalf of the Peregrine Syndicate in March 2001. The Peregrine Syndicate sold all their mineral interests to Bearclaw in 2003. The Castle #2 mineral claim (TN 221931) was converted into an MTO cell claim (TN 512840) in May of 2005.

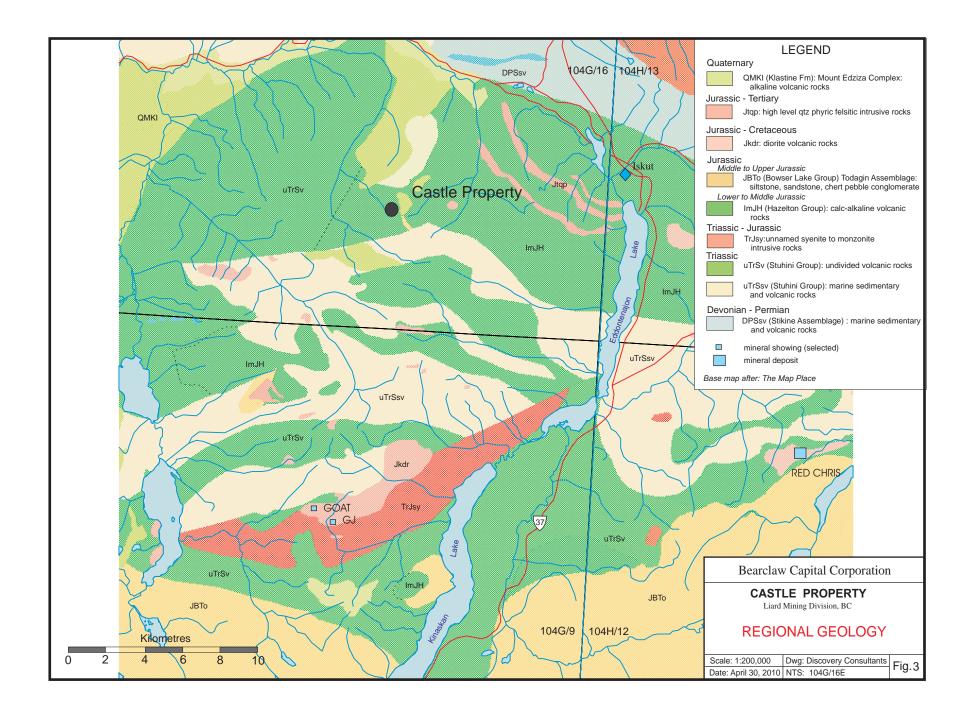
No further work has been recorded by Bearclaw until the current 2009 work.

#### 7.0 GEOLOGY

Regional geology maps of the area include the 1971 Geological Survey of Canada (GSC) map by J.G. Souther (GSC Map 11-1971). Ash et al (1997b) of the British Columbia Geological Survey Branch (BCGSB) more recently mapped the area at a scale of 1:50,000 (Open File 1997-3). Figure 3 shows the regional geology of the area.

#### 7.1 Regional Geology

The following description has been taken, with modifications, from Ash et al (1997a). As previously mentioned, the Property lies within the Stikine Terrane, which consists of island arc volcanics, along the northern margin of the Bowser Basin. At a regional scale, the area is dominated by three distinctive stratigraphic successions of Mesozoic volcanic



rocks. The oldest is represented by the Upper Triassic Stuhini Group rocks, consisting of marine clastic sediments with lesser mafic volcanics. A suite of monzonitic subvolcanic stocks and sills intrude the Stuhini Group rocks; some of the larger of these stocks host porphyry Cu-Au mineralization, such as the Red Chris deposit.

The Stuhini Group volcanics and sediments are unconformably overlain by the Lower Jurassic Hazelton Group, which is divided into 2 main sequences. The older volcanic succession is dominated by thick, massive sections of intermediate volcaniclastic rocks, consisting of andesitic breccias and conglomerates along with andesitic to dacitic debris flows and lahars. The second, younger sequence consists of a bimodal suite of basalt-rhyolite along with clastic sediments. The Castle showing is hosted by these rocks. Subvolcanic dykes of alkalic granite and felsite intrude and alter the Hazelton Group rocks. At various locations including the Castle showing, these intrusions are associated with large, narrow pyritiferous gossans with elevated copper and gold concentrations.

The third major stratigraphic succession in the area is represented by the Middle Jurassic Bowser Lake Group, consisting of marine clastic sedimentary rocks; siltstone, chert-pebble conglomerate and sandstone. This Group occurs in the region of Kinaskan Lake, south of the Property.

Volcanics of Pliocene to Recent age, consisting of olivine basalts as flow and pillow breccias, and pyroclastic rocks, occur as isolated volcanic units in the region, including in the vicinity of the Castle showing.

#### 7.2 Property Geology

The following description of the Property geology is taken from Pautler (1997).

The Property is underlain by intermediate volcanics and derived sedimentary rocks of the Jurassic Hazelton Group. The volcanic rocks have been subdivided into three units: interbedded andesites and breccias that are commonly porphyritic; coarse andesitic fragmentals; and maroon, distal tuffs.

Fine-grained epiclastic sedimentary rocks outcrop in the south part of the Property, consisting of limestones, argillites and tourmalinized siltstones. The boundary between the volcanics and the sedimentary rocks is marked by a northeast-trending thrust fault.

The volcanics and sedimentary rocks are intruded by sills and dykes of felsite, feldspar porphyry and syenodiorite composition.

An olivine basalt cinder cone of Recent age occurs to the northwest of the Property.

Alteration within the volcanics occurs as pyritization and propylitic alteration (chlorite, epidote±magnetite). In addition, there is locally pervasive pyrite-sericite-quartz alteration near conjugate sets of faults as veins and veinlets up to 30 cm in width.

Mineralization is predominately pyrite, which can be up to 8% as disseminations and up to 30% within pyrite-sericite-quartz bearing structures. Malachite, chalcopyrite and lesser bornite and specularite are associated with silicified zones near the pyrite-sericite-quartz bearing structures and with later quartz-carbonate±barite veins. Visible gold has been noted at several locations, associated with the pyrite-sericite-quartz bearing structures.

#### 8.0 PROGRAM

### 8.1 Sampling Method and Approach

Brett Resources re-logged and re-analysed a selected part of the 1988 drill core in order to determine the accuracy and reproducibility of the previous work. The 1988 exploration by Teck consisted of a diamond drilling program comprising 1190 m in 11 holes drilled from four setups. Drill holes were designed to test geophysical targets and surface gold showings. In particular, DDH88-8 was designed to test an intense IP chargeability anomaly at the centre of a large anomalous zone.

On October 22, a 3-man crew located the storage area of the core from the 1988 drill program. The core from DDH88-8 was located, stacked and transported from the Property to a warehouse facility in the city of Smithers, BC.

Only selected intervals of DDH88-8 had been sampled by Teck in 1988. In this program, both whole core and previously split core were analysed. Appendix I, containing the technician log, indicates the status (whole versus split) of the 1988 core. The core was then re-logged, split into either ½ or ¼ size, depending on whether it had been previously split, and re-sampled. Various interval lengths were used so as to match the 1988 intervals. The core was logged by D. G. Stachan on site in Smithers, BC, as shown in Appendix II.

In total, 42 drill core samples were logged, split, placed in sample bags and shipped by Greyhound to Acme Analytical Laboratories in Vancouver, BC for analysis.

#### 8.2 Sample Preparation, Analysis, QA/QC

Sample preparation in the lab involved crushing the drill core to -10 mesh, then pulverizing a 250 gram split to -200 mesh. After an acid digestion, a 15 g sub-sample underwent ICP mass spectrometry analyses for a suite of 36 elements (Acme's 1DX2; ICP-MS analysis).

In the lab, pulp duplicates were analysed. From the analytical results, duplicate core samples show high precision. Both laboratory blanks and standard reference material were also inserted into the batch during regular intervals during analyses. The blank analyses show no problems with contamination. Similarly, the standard reference material yielded a value with high accuracy to the known value. The analytical results of the drill core samples are shown in Appendix III, and in drill section on Figure 4.

8.3 Results

Table 2 shows the comparison of analyses of Brett's core samples with Teck's 1988 drill core

analyses. The highest values occurred from 42.2 m to 48.8 m depth in a weakly fractured

alteration envelope of quartz-sericite-chlorite, containing 5% pyrite and 1-2% chalcopyrite.

Within this zone, Teck obtained an interval containing 5.62 ppm Au, 4.8 ppm Ag and 0.40% Cu

across 1.3 m. A second sample yielded 2.84 ppm Au, 12.7 ppm Ag and 0.38 % Cu across 0.5

m. A weighed average from 42.2 to 48.8 m resulted in 1.7 g/t Au (or 0.050 oz/t) across 6.6 m.

Brett re-sampled the same intervals using ½ of the split core that was left, or ¼ of the original

core. Sample # 86811 yielded 211 ppb Au, 2.1 ppm Ag and 0.20% Cu across the same 1.3 m

interval. A second sample yielded 4.95 ppm Au, 6.0 ppm Ag and 0.14 % Cu across Teck's 0.5

m interval. A weighed average from 42.2 to 48.1 m resulted in 609 ppm Au and 978 ppm Cu

across 5.9 m.

Other intervals are comparable in gold, copper and silver analyses. The nugget effect in gold

analyses is evident when comparing analyses of ½ versus ¼ of the core.

9.0 <u>DISCUSSION AND CONCLUSIONS</u>

Re-analyses of DDH 88-8 show somewhat lower values in gold, silver and copper. However,

general trends were duplicated.

10.0 RECOMMENDATIONS

The 2009 exploration program was limited in scope and does not detract from the previous

evaluations of the Property. Previous work indicated that several surface gold showings have

not yet been adequately tested. The eastern part of the Property also remains underexplored.

Further prospecting, rock sampling and an IP survey extended to the east is warranted.

Respectfully submitted,

A. Koffyberg, PGeo

Discovery Consultants

Vernon, BC

April 30, 2010

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Table 2
Comparison of Analytical Results

Brett's 20	009 resu	ılts					Teck's 1	.988 result	ts						Teck's res	ults conv	erted
Sample	ı	nterval		Au	Ag	Cu		lr	nterval			Au	Ag	Cu	Au	Ag	Cu
ID	From	To L	ength	ppb	ppm	ppm	Core	From	То	Length	Unsplit	opt	opt	%	ppb	ppm	ppm
	m	m	m				Split	m	m	m	length						
868301	32.2	33.3	1.1	22.2	0.1	61.6	yes	32.2	33.3	1.1	-	0.001	0.01	0.01	34.3	0.3	100
868302	33.3	34.8	1.5	23.7	0.1	115.4	no	33.3	36.5	-	3.2	N/A	N/A	N/A			
868303	34.8	36.5	1.7	25.6	0.1	8.5											
868304	36.5	37.6	1.1	28.5	0.2	10.7	yes	36.5	37.6	1.1	-	0.001	0.01	0.01	34.3	0.3	100
868305	37.6	39.3	1.7	27.5	0.1	9.3	yes	37.6	39.3	1.7	-	0.001	0.01	0.01	34.3	0.3	100
868306	39.3	40.8	1.5	12.6	< 0.1	75.3	no	39.3	42.2	-	2.9	N/A	N/A	N/A			
868307	40.8	42.2	1.4	18.7	< 0.1	106.3											
868308	42.2	43.3	1.1	263.1	1.5	464.1	yes	42.2	43.3	1.1	-	0.010	0.09	0.14	342.8	3.1	1400
868309	43.3	44.4	1.1	413.2	3.1	1036.5	yes	43.3	44.4	1.1	-	0.015	0.19	0.06	514.2	6.5	600
868310	44.4	46.3	1.9	53.7	0.4	423.3	yes	44.4	46.3	1.9	-	0.005	0.03	0.09	171.4	1.0	900
868311	46.3	47.6	1.3	211.0	2.1	2012.3	yes	46.3	47.6	1.3	-	0.164	0.14	0.40	5622.2	4.8	4000
868312	47.6	48.1	0.5	4951.7	6.0	1396.1	yes	47.6	48.1	0.5	-	0.083	0.37	0.38	2845.4	12.7	3800
	48.1	48.8					yes	48.1	48.8	0.7	-	0.055	0.09	0.08	1885.5	3.1	800
868313	48.8	50.3	1.5	41.1	0.3	430.9	no	48.8	54.3	-	5.5	N/A	N/A	N/A			
868314	50.3	51.8	1.5	50.0	0.2	442.7											
868315	51.8	53.3	1.5	26.0	0.3	692.2											
868316	53.3	54.3	1.0	26.1	0.2	381.5											
868317	54.3	55.2	0.9	179.9	1.1	1171.2	yes	54.3	55.2	0.9	-	0.007	0.05	0.17	240.0	1.7	1700
868318	55.2	55.7	0.5	355.2	3.2	1366.2	yes	55.2	55.7	0.5	-	0.004	0.04	0.11	137.1	1.4	1100
868319	55.7	57.2	1.5	33.7	0.2	359.2	no	55.7	61.5	-	5.8	N/A	N/A	N/A			
868320	57.2	58.7	1.5	42.8	0.2	398.6											
868321	58.7	60.2	1.5	46.1	0.2	501.3											
868322	60.2	61.7	1.5	39.9	0.4	693.1											
868323	61.7	63.2	1.5	96.9	0.5	433.8	yes	61.5	62.1	0.6	-	0.001	0.01	0.11	34.3	0.3	1100
868324	63.2	64.7	1.5	237.3	0.8	710.8	no	62.1	67.5	-	5.4	N/A	N/A	N/A			
868325	64.7	66.2	1.5	45.0	0.3	447.7											
868326	66.2	67.7	1.5	39.6	0.2	294.9	yes	67.5	67.8	0.3	-	0.002	0.01	0.01	68.6	0.3	100

Brett's 2009 results							Teck's 1	L988 result	ts					,	Teck's res	ults conv	verted
Sample	ı	nterval		Au	Ag	Cu		lr	nterval			Au	Ag	Cu	Au	Ag	Cu
ID	From	To L	ength	ppb	ppm	ppm	Core	From	То	Length	Unsplit	opt	opt	%	ppb	ppm	ppm
	m	m	m				Split	m	m	m	length						
868327	67.7	69.2	1.5	52.0	0.3	536.2	no	67.8	69.0	-	1.2	N/A	N/A	N/A			
868328	69.2	70.6	1.4	259.0	0.5	417.8	yes	69.0	69.4	0.4	-	0.032	0.03	0.02	1097.0	1.0	200
							yes	69.4	70.6	1.2	-	0.001	0.01	0.04	34.3	0.3	400
868329	70.6	71.4	0.8	105.6	1.0	241.9	yes	70.6	71.4	0.8	-	0.004	0.04	0.02	137.1	1.4	200
868330	71.4	72.9	1.5	44.8	0.4	268.1	no	71.4	74.0	-	2.6	N/A	N/A	N/A			
868331	72.9	74.0	1.1	51.2	0.2	365.2											
868332	74.0	74.4	0.4	143.6	0.6	1275.3	yes	74.0	74.4	0.4	-	0.001	0.02	0.04	34.3	0.7	400
868333	74.4	75.3	0.9	216.7	1.1	2054.9	yes	74.4	75.3	0.9	-	0.004	0.02	0.17	137.1	0.7	1700
868334	75.3	76.8	1.5	409.5	1.8	1173.5	yes	75.3	76.8	1.5	-	0.008	0.06	0.11	274.3	2.1	1100
868335	76.8	78.3	1.5	90.0	0.6	1209.9	no	76.8	88.0	-	11.2	N/A	N/A	N/A			
868336	78.3	79.8	1.5	108.4	0.5	1035.2											
868337	79.8	81.3	1.5	89.7	0.8	1418.8											
868338	81.3	82.8	1.5	139.5	0.6	997.9											
868339	82.8	84.3	1.5	62.3	0.4	725.6											
868340	84.3	85.8	1.5	39.4	0.2	539.4											
868341	85.8	87.3	1.5	70.1	0.3	717.8											
868342	87.3	87.9	0.6	107.2	0.6	1215.9											

#### 11.0 REFERENCES

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- Folk, P. (1981): Geological and Geochemical Report on the Castle #1 and Castle #2 claims, Liard Mining Division, for Teck Corporation., Assessment Report #9117
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# 12.0 STATEMENT OF COSTS

### 1. Professional Services

	W.R. Gilmour, PGeo				
	Data interpretatio				
		2.00 hrs @	\$100 per hr	\$200.00	
	T.H Carpenter, PGeo				
	Data interpretatio			•••	
		2.00 days @	\$100 per hr	200.00	
	A. Koffyberg, PGeo				
	Report writing				
		36.50 hrs @	\$90 per hr	3,285.00	
	A. Travis, geologist				
	Planning				
		<u> </u>	\$600 per day	600.00	
	D. Strachen, geologist	(Oct 22, 2009)			
	Core Logging				
		<u> </u>	\$650 per day	650.00	
	L. Warren (Oct 22, 26	5, 2009)			
	Core Logging				
		2.00 days @	\$650 per day	1,300.00	
					\$6,235.00
2.	Personnel				
	Field				
	Core Retrieval an	_			
	M. Ro	oden (Oct 2, 2009)			
			\$550 per day	550.00	
	W. Ka	ahlert (Oct 2, 2009)			
		<u> </u>	\$400 per day	400.00	
	D. Dr	izmota (Oct 2, 2009)			
		1.00 days @	\$325 per day	325.00	
	Core Sampling				
	E. Lal	ktin (Oct 22, 26, 2009)			
		2.00 days @	\$300 per day	600.00	
	R. Zil	owski (Oct 22, 26, 2009)			
		2.00 days @	\$300 per day	600.00	
					2,475.00
	Office				
	Drafting			440.00	
	Data Compilation	I		165.00	
	Secretarial			275.00	
					880.00

### 3. Expenses

4.

Analysis

Acme Analytical Laboratories Ltd.

Core

Core					
	42 samples @	\$25.32 per sample	\$1,063.44		
Freight			200.00		
				1,263.44	
Communications				15.00	
Equipment Rental				188.40	
Field Supplies				150.78	
Accommodations				536.00	
Warehousing				250.00	
Office				60.00	
Freight				214.00	
					2,677.62
Transportation					
Truck Rental (mob/de	emob)			415.94	
fuel				174.00	
Helicopter (Interior F	Helicopters)			3,127.06	
- `	• ′				3,717.00

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Total Exploration Expenditures: \$15,984.62

#### 13.0 STATEMENT OF QUALIFICATIONS

I, Agnes Koffyberg, PGeo, of Discovery Consultants, 201-2928 29th Street, Vernon, BC,

#### DO HEREBY CERTIFY that:

- 1. I am a geologist in mineral exploration and am employed by Discovery Consultants, Vernon, BC.
- I graduated with a B.Sc. degree in combined Geological Sciences/Chemistry from Brock University in 1987. In addition, I have obtained a M.Sc. in Geology from the University of Alberta in 1994.
- 3. I am a member of the Association of Professional Engineers and Geoscientists of BC, registration number 31384.
- 4. I have worked as a geologist for a total of 13 years since graduation from university.
- 5. This report is based upon knowledge of the Property gained from a review of existing industry and government reports.

Dated this thirtieth day of April, 2010 in Vernon, BC

Signature of

Agnes Koffyberg, PGeo

**Discovery Consultants** 

# Appendix I CASTLE PROPERTY

Sample ID	Project	Drill Hole	From	То	Width	Re-assay of Core	Description
			(m)	(m)	(m)		
868301	Castle	88-8	32.2	33.3	1.1	Split	some remains from original split
868302	Castle	88-8	33.3	34.8	1.5	whole	minor sulphides carb veinlets
868303	Castle	88-8	34.8	36.5	1.7	whole	minor bleaching- minor sulphides 1.7 meters long
868304	Castle	88-8	36.5	37.6	1.1	Split	
868305	Castle	88-8	37.6	39.3	1.7	Split	1.7 m Pre Poor Split
868306	Cooklo	88-8	39.3	40.0	1.5	whole	1.5 m comple mainer culphides 0.3 comb elternation
868307	Castle Castle	88-8	40.8	40.8 42.2	1.5	whole	1.5 m sample - minor sulphides Q3 carb alteration
					1.4		1.4 m - chlorite minor sulphides
868308	Castle	88-8	42.2		1.1	Split	1.1 m - 5-10% py. Cpy
868309	Castle	88-8	43.3	44.4	1.1	Split	Previous Split - Resplit 1/4
868310	Castle	88-8	44.4	46.3	1.9	Split	well mineralized
868311	Castle	88-8	46.3	47.6	1.3	Split	well mineralized - Q3 carb veinets along core axis
868312	Castle	88-8	47.6	48.1	0.5	Split	well mineralized
			48.1	48.8	0.7	N/A	
868313	Castle	88-8	48.8	50.3	1.5	whole	1% diss. sulphides, vuggy Q3 veinlets - sulphides
868314	Castle	88-8	50.3	51.8	1.5	whole	minor sulphides, open vuggy Q3 carb veinlets
868315	Castle	88-8		53.3	1.5	whole	Q3 carb veinlets/chlorite vuggy
							337
868316	Castle	88-8	53.3	54.3	1	whole	Q3 carb veinlets, chlorite, minor diss sulphides
868317	Castle	88-8	54.3	55.2	0.9	Split	minor sulphides. S3 carb a few mass sulphide veinlets, sil'n
868318	Castle	88-8	55.2	55.7	0.5	Split	massive veinlet sulphides @ start of sample 10 cm wide
868319	Castle	88-8	55.7	57.2	1.5	whole	sil'n - minor sulphides. Diss
868320	Castle	88-8	57.2	58.7	1.5	whole	sil'n - diss sulphides. less than 1% chlorite
868320	Castle	88-8	57.2	58.7	1.5	whole	sil'n - diss sulphides. less than 1% chlorite
868322	Castle	88-8	60.2	61.7	1.5	whole	Q3 carb veinlets - block chlorite slips on fracs, minor diss sulphides.
868323	Castle	88-8	61.7	63.2	1.5	Split	Q3 carb veinlets - minor sulphides, black chlorite slips, vuggy Q2 carb
868324	Castle	88-8	63.2	64.7	1.5	whole	more Q3 carb veinlets - one every 3-5 cm, sil'n - 3-5% Fepy - minor chalco
868325	Castle	88-8	64.7	66.2	1.5	whole	Q3 flooding 1-2 % diss sulphides. fine-grained some vuggy Q3 carb vein
868326	Castle	88-8	66.2		1.5	whole	Q3 carb veinlets 3-5 cm apart - Dry fracs Fepy - diss sulphides. 1-2% up to 5% in section
868327	Castle	88-8	67.7		1.5	whole	Q3 carb veinlets with sulphides. Sil'n - 3-5% Fepy on dry fracs, diss and Q3 carb veinlets
868328	Castle	88-8	69.2	70.6	1.4	Split	some section 5% plus sulphides
868329	Castle	88-8	70.6	71.4	8.0	Split	some good sulphides. Sections 3% overall

Sample ID	Project	Drill Hole			Width	Re-assay of Core	Description
868330	Castle	88-8	(m) 71.4	(m) 72.9	(m) 1.5	whole	minor sulphides. minor Q3 carb
868331	Castle	88-8	72.9	74.0	1.1	whole	bleeching - minor sulphides.
868332	Castle	88-8	74.0	74.4	0.4	Split	chalco in Q3 carb veinlet minor diss sulphides
868333	Castle	88-8	74.4	75.3	0.9	Split	more sulph. 3-5% coarse Fepy Q3 carb veinlets every 1-3 cm
868334	Castle	88-8	75.3	76.8	1.5	Split	as previous
868335	Castle	88-8	76.8	78.3	1.5	whole	Q3 carb veinlets; minor sulphides
868336	Castle	88-8	78.3	79.8	1.5	whole	sil'n - minor Fepy - chalco
868337	Castle	88-8	79.8	81.3	1.5	whole	sil'n - med grained
868338	Castle	88-8	81.3	82.8	1.5	whole	
868339	Castle	88-8	82.8	84.3	1.5	whole	
868340	Castle	88-8	84.3	85.8	1.5	whole	
868341	Castle	88-8	85.8	87.3	1.5	whole	
868342	Castle	88-8	87.3	87.9	0.6	whole	

0 32.2 UNKNOWN  0 32.2 UNKNOWN  0 32.2 UNKNOWN  0 0 32.2 UNKNOWN  0 0 0 32.2 UNKNOWN  0 0 0 32.2 UNKNOWN  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		CAS 88-8		C		ndix I											
A		CAS 88-8			ASTLE P	ROPE	RTY						-				
Page 1 of 1   Page		CAS 88-8							1 1	<u>.</u>		_					
ATE COMPLETED: 1988   DEPTH: 121.0   TELEVATION:   Page 1 of 1   TeleVis 1988   DEPTH: 121.0   TELEVATION:   Page 1 of 1   TeleVis 1988   T	ATE STARTED:	OAO OO O			AZIMUTH:	360			х со	ORDINATE:			Local grid	loc: 21+25	W/1+75S		
DEPTH   (m)		1988			INCLINATION	-50			Y CO	ORDINATE:							
Depth   (m)	ATE COMPLETE	:D: 1988			DEPTH:	121.0 m	-		E	LEVATION:			page 1 of	1			
From   To	LOGGED E	BY: Donald G. Strachar	in July 2009														
0 32 UNKNOWN 0.0 32.2 UNKNOWN 0.0 32.2 UNKNOWN 0.5 Unk			DESCRIPTION														
32   43.7   DACITE: ledispar-biointe. Grey.   32.2 to 37.5 t)% Call velays test from original malfics.   32.2 to 37.5 t)% Call velays to 4 mm wide, vuggy, at 45 deg. to core axis. Weak fracs.   34.2   35.7   1.5   1.4   9.3%   yes   36.5   37.6   1.1   - 0.001   0.0							length		recov.			to	length	length	Au opt	Ag opt	Cu
32   43.7   DACITE: ledspar-biotite. Grey.   32.6   34.7   37.6   37.				Pov 06: 22.2 27.5	unknown	22.6	unknown	0.5	unknown	V00	22.2	22.2	1.1		0.001	0.01	0.0
3.2 to 37.5: 1% Cal veins to 4 mm wide, vuggy, at 45 deg. to core axis. Weak fraces.    4	32.2 43.7			BUX 00. 32.2 - 37.3													
41.0 - pyritle vein, 1mm, weakly oxidized   So.7   37.2   1.5   1.7   113%				loak frace	3/1.2	35.7	1.5	1.4	03%							N/A 0.01	N// 0.0
Box 07: 37.5 - 43.1   88.7   40.2   1.5   1.5   100%   no   39.3   42.2   - 2.9   N/A N/A		32.2 to 37.3. 170 Oai	veins to 4 mm wide, vuggy, at 45 deg. to core axis. vv	car nacs.												0.01	0.0
Wooden blocks for driller's core "Runs" are randomly missing)   Box 08: 43.1 - 48.4   41.9   41.1   1.2   1.3   108%   yes   42.2   43.3   41.4   1.1   -   0.015   0.0     43.7 to 49.1: 10% bndd Qtz+15% Py veinlets in alteration envelope of Qtz+Chl+Ser+5% diss Py   43.1   48.4   5.3   6.0   113%   yes   44.4   46.3   1.9   -   0.015   0.0     43.7 a 7.5 to 49.1: 10% bndd Qtz+15% Py veinlets in alteration envelope of Qtz+Chl+Ser+5% diss Py   48.1   48.4   5.3   6.0   113%   yes   44.4   46.3   1.9   -   0.015   0.0     43.7 a 7.5 to 49.1: 10% bndd Qtz+15% Py veinlets in alteration envelope of Qtz+Chl+Ser+5% diss Py   48.1   48.4   5.3   6.0   113%   yes   44.2   43.3   44.4   1.1   -   0.015   0.0     43.7 a 7.5 to 49.1: 10% bndd Qtz+15% Py veinlets in alteration envelope of Qtz+Chl+Ser+5% diss Py   48.1   48.8   5.9   5.2   5.5   10%   yes   46.3   47.6   1.3   -   0.164   0.0     43.7 b 49.1: 10% bndd Qtz+15% Py veinlets in alteration envelope of Qtz+Chl+Ser+5% diss Py   48.4   5.3   6.0   113%   yes   46.3   47.6   1.3   -   0.015   0.0     43.7 a 7.5 to 1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5     49.1 to 76.8: Chl and/or Ser=Cal replacing feldspars and maffics in Ser+Qtz+1% Py groundmass   55.7   5.5   5.5   1.5   1.5   1.5   1.5   1.5   1.5     49.1 to 76.8: Chl and/or Ser=Cal replacing feldspars and maffics in Ser+Qtz+1% Py groundmass   55.7   5.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5     49.1 to 76.8: Chl and/or Ser=Cal replacing feldspars and maffics in Ser+Qtz+1% Py groundmass   55.7   5.5   5.5   1.5		41.0 - pyrite vein, 1r	nm, weakly oxidized				1.5	1.4		•							
87.   Box 08: 43.1 - 48.4   41.9   43.1   1.2   1.3   108%   Pes   43.3   44.4   4.1   1.1   -   0.015   0.1		(Moodon blocks for	Irillar's core "Bune" are randomly missing)	Box 07: 37.5 - 43.1													N/. <b>0.1</b>
43.7 to 49.1: 10% bndd Qtz+15% Py veinlets in alteration envelope of Qtz+Chl+Sert-5% diss Py 43.1		(wooden blocks for o	initier's core. Runs: are randomly missing)	Box 08: 43 1 - 48 4												0.09	0.0
43.7 87.9 PACITE: feldspar-biotite. Green.  59.9 52.4 1.5 1.5 10% yes 47.6 48.1 0.5 - 0.083 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.		43.7 to 49.1: 10% b	ndd Qtz+15% Py veinlets in alteration envelope of Qtz+							•						0.03	0.0
80x 09: 48.4 - 52.8 52.4 54.0 1.6 1.4 87% yes 48.1 48.8 0.7 - 0.055 0.0 49.1 to 76.8: Chl and/or Ser=Cal replacing feldspars and mafics in Ser+Qtz+1%-Py groundmass 54.0 55.5 1.5 1.4 93% no 48.8 54.3 55.2 0.9 - 0.007 0.0 64.6 1.5 1.5 10.0 49.5 55.5 57.0 1.5 10.0 49.5 55.7 0.5 1.5 10.0 49.5 55.7 0.5 1.5 10.0 49.5 55.7 0.5 1.5 10.0 49.5 10.0 55.7 61.5 1.5 10.0 49.5 10.0 55.7 61.5 1.5 10.0 49.5 10.0 55.7 61.5 10.5 10.0 49.5 10.0 55.7 61.5 10.0 49.5 10.0 55.7 61.5 10.0 49.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10										yes						0.14	0.4
49.1 to 76.8: Chl and/or Ser=Cal replacing feldspars and mafics in Ser+Qtz+1%Py groundmass and 2% Cal+Qtz+Py veins to 3 mm. Propylitic alteration.    80x 10: 52.8 - 58.3   57.0   60.0   3.0   3.1   103%   yes   54.3   55.2   0.9   - 0.004   0.0   0.0	43.7 87.9	DACITE: feldspar-bi	tite. Green.							•						0.37	0.3
and 2% Cal+Qtz+Py veins to 3 mm. Propylitic alteration.    Sox 10: 52.8 - 58.3   55.5   57.0   1.5   1.5   100%   yes   54.3   55.2   0.9   -   0.007   0.00		40.1 to 76.9: Chl.on	Nor Sor-Cal raplacing foldanars and matics in Sor Ot-											_			<b>0.0</b>
Box 10: 52.8-58.3   57.0   60.0   3.0   3.1   103%   yes   55.2   55.7   0.5   -   0.004   0.0   0.004   0.0				2+1%Fy groundmass												0.05	0.1
68.7-68.9: 10cm Cal vein 69.2: 6 cm Cal+20Py+Qtz vein, vaguely banded 69.2: 6 cm Cal+20Py+Qtz vein, vaguely ban				Box 10: 52.8 - 58.3							55.2	55.7		-		0.04	0.1
68.7-68.9: 10cm Cal vein  Box 12: 63.3 - 68.5  64.6  67.1  69.2: 6 cm Cal+20Py+Qtz vein, vaguely banded  69.2: 6 cm Cal+20Py+Qtz vein, vaguely banded  Box 13: 68.5 - 73.6  Box 13: 68.5 - 73.6  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.6  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 14: 73.6 - 78.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  And 2 cm Cal+20Py+Qtz vein, vaguely banded  And 2 cm Cal+20Py+Qtz vein, vaguely banded  Box 16: 63.3 - 68.5  And 2 cm Cal+20Py+Qtz vein, vaguely banded  And 3 cm Cal+20Py+Qtz vein, vaguely banded  And 2 cm Cal+20Py+Qtz vein, vaguely banded  And 3 cm Cal+20Py+Qtz vein, vaguely banded  And 4 cm Cal+20Py+Qtz vein, vaguely banded  An																N/A	N/
80x 12: 63.3 - 68.5		69 7-69 0: 10cm Cal	woin	Box 11: 58.3 - 63.3									0.6			0.01	0.1 N/
69.2: 6 cm Cal+20Py+Qtz vein, vaguely banded    69.1   69.2   2.1   1.6   76%   no   67.8   69.0   -   1.2   N/A		00.7-00.9. TUCHI Cai	veiii	Box 12: 63.3 - 68.5									0.3	5. <del>4</del> -		0.01	0.0
70.7 72.2 1.5 1.5 100% yes 69.4 70.6 1.2 - 0.001 0.0 72.2 73.8 1.6 1.5 94% yes 70.6 71.4 0.8 - 0.004 0.0 96.0 71.4 74.0 - 2.6 NA		69.2: 6 cm Cal+20Py	+Qtz vein, vaguely banded					1.6			67.8	69.0	-	1.2	N/A	N/A	N/
72.2 73.8 1.6 1.5 94% yes 70.6 71.4 0.8 - 0.004 0.0 71.4 74.0 - 2.6 N/A N/A 76.8 to 83.2+ Ser and minor ChI replacing phenocrysts in weak Ser+Cal+trPy groundmass 76.8 78.3 1.5 1.6 100% yes 74.0 74.4 0.4 - 0.004 0.0 76.8 to 83.2+ Ser and minor ChI replacing phenocrysts in weak Ser+Cal+trPy groundmass 76.8 78.3 1.5 1.6 107% yes 74.0 74.4 0.4 - 0.004 0.0 76.8 to 83.2+ Ser and minor ChI replacing phenocrysts in weak Ser+Cal+trPy groundmass 76.8 78.3 1.5 1.6 107% yes 74.4 75.3 0.9 - 0.004 0.0 76.8 76.9 1.5 1.3 87% no 76.8 88.0 - 11.2 N/A				Box 13: 68.5 - 73.6												0.03	0.0
Box 14: 73.6 - 78.5   73.8   75.3   1.5   1.3   87%   no   71.4   74.0   -   2.6   N/A														-		0.01	0.0
75.3 76.8 1.5 1.5 100% yes 74.0 74.4 0.4 - 0.001 0.0 76.8 to 83.2+ Ser and minor ChI replacing phenocrysts in weak Ser+Cal+trPy groundmass 76.8 78.3 1.5 1.6 107% yes 74.0 74.4 0.4 - 0.001 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0				Box 14: 73.6 - 78.5										2.6		N/A	N/
and 2% Cal+Py veins to 3 mm.  78.3  79.9  1.6  1.5  94%  9es  75.3  76.8  1.5  0.008  0.0  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/					75.3	76.8	1.5	1.5								0.02	0.0
Box 15: 78.5 - 83.2 79.9 81.4 1.5 1.3 87% no 76.8 88.0 - 11.2 N/A N// 81.4 82.9 1.5 1.2 80%  Box 16: 83.2 - 87.9 82.9 84.4 1.5 1.4 93%  84.4 85.9 1.5 1.3 87%  85.9 87.9 2.0				Py groundmass												0.02	0.1
81.4 82.9 1.5 1.2 80%  Box 16: 83.2 - 87.9 82.9 84.4 1.5 1.4 93%  84.4 85.9 1.5 1.3 87%  85.9 87.9 2.0		and 2% Cal+P	veins to 3 mm.	Boy 15: 78 5 - 83 2									1.5			0.06 N/A	0.1 N/
84.4 85.9 1.5 1.3 87% 85.9 87.9 2.0				DOX 10. 70.0 - 03.2						110	70.0	00.0		11.2	IN/A	IN/A	11/
85.9 87.9 2.0				Box 16: 83.2 - 87.9													
								1.3	87%								
Total meters contained in the 11 boxes: 55.7 meters 18.0 37.8			Total	I meters contained in th		55.7	2.0					meters	18.0	37.8			
Assayed Not																	
in 1988 Assayed													in 1988	Assayed			

Brett Resources Inc.
Castle Property
Drill Core Assays Results

Sample ID	<u>lr</u> From m	nterval To m	Len m	Wgt KG	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 Bi ppm 0.1	1DX15 Cu ppm 0.1	1DX15 <b>Mo</b> <b>ppm</b> 0.1	As ppm 0.5	1DX15 <b>Sb</b> <b>ppm</b> 0.1	1DX15 Pb ppm 0.1	1DX15 Fe % 0.01	1DX15 <b>S</b> % 0.05	1DX15 Se ppm 0.5	1DX15 Hg ppm 0.01	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Cr ppm 1	1DX15 Ba ppm 1
868301	32.2	33.3	1.1	1.04	22.2	0.1	1.0	61.6	1.3	18.2	0.5	5.3	5.77	5.03	2.8	0.03	1.9	4.0	3	13
868302	33.3	34.8	1.5	5.00	23.7	0.1	0.9	115.4	1.3	18.1	0.4	3.3	5.35	4.41	2.5	0.05	1.9	5.6	3	12
868303	34.8	36.5	1.7	3.28	25.6	0.1	8.0	8.5	0.4	10.2	0.4	3.2	5.12	4.23	2.1	0.03	1.8	7.2	3	15
868304	36.5	37.6	1.1	0.74	28.5	0.2	0.5	10.7	0.7	12.6	0.5	2.6	4.40	3.93	1.2	0.05	2.0	6.0	2	16
868305	37.6	39.3	1.7	1.71	27.5	0.1	0.6	9.3	1.1	11.4	0.3	2.8	4.33	3.81	1.7	0.04	1.7	7.0	<1	12
868306	39.3	40.8	1.5	4.23	12.6	< 0.1	0.5	75.3	0.5	6.5	0.6	2.7	3.92	1.29	1.2	0.02	2.1	6.0	3	121
868307	40.8	42.2	1.4	1.42	18.7	< 0.1	0.4	106.3	0.7	3.5	0.4	1.7	3.86	1.18	1.1	0.02	1.8	6.6	3	82
868308	42.2	43.3	1.1	1.40	263.1	1.5	5.8	464.1	13.4	46.7	0.6	10.2	6.56	5.83	3.3	0.05	2.0	12.5	2	12
868309	43.3	44.4	1.1	1.45	413.2	3.1	8.9	1036.5	24.7	45.9	0.8	10.5	7.07	6.11	2.7	0.08	2.0	12.0	<1	13
868310	44.4	46.3	1.9	1.77	53.7	0.4	1.3	423.3	13.5	13.4	0.5	4.1	4.24	1.80	0.8	0.02	1.7	8.5	2	45
868311	46.3	47.6	1.3	1.43	211.0	2.1	7.0	2012.3	10.6	55.4	0.9	14.6	8.19	7.46	1.6	0.09	1.9	12.9	3	7
868312	47.6	48.1	0.5	1.78	4951.7	6.0	17.5	1396.1	31.5	107.3	1.1	23.6	9.86	9.27	3.4	0.09	1.9	8.9	2	17
868313	48.8	50.3	1.5	3.72	41.1	0.3	0.5	430.9	25.7	10.6	0.5	2.6	3.43	1.33	1.8	0.02	1.3	13.5	2	49
868314	50.3	51.8	1.5	3.13	50.0	0.2	0.3	442.7	24.7	9.4	0.5	2.9	3.96	0.92	1.1	0.01	1.9	9.3	3	134
868315	51.8	53.3	1.5	3.79	26.0	0.3	0.2	692.2	15.2	3.2	0.4	2.1	4.05	0.58	1.0	0.01	1.6	7.2	3	288
868316	53.3	54.3	1.0	1.55	26.1	0.2	0.2	381.5	31.2	10.3	0.5	3.0	4.16	0.45	0.5	0.01	1.7	6.1	3	291
868317	54.3	55.2	0.9	1.17	179.9	1.1	2.4	1171.2	19.5	39.7	0.6	11.8	5.56	5.04	2.4	0.06	2.2	8.1	1	13
868318	55.2	55.7	0.5	0.74	355.2	3.2	4.3	1366.2	20.9	55.8	0.6	14.4	7.97	6.90	3.7	0.07	2.0	10.6	1	22
868319	55.7	57.2	1.5	1.90	33.7	0.2	0.2	359.2	20.9	2.0	0.4	1.7	3.36	0.57	1.1	0.01	1.8	7.2	2	123
868320	57.2	58.7	1.5	3.55	42.8	0.2	0.1	398.6	25.2	4.7	0.6	1.6	3.55	0.42	0.9	< 0.01	1.2	6.9	2	354
868321	58.7	60.2	1.5	3.70	46.1	0.2	0.2	501.3	26.1	5.0	0.6	2.7	3.40	0.58	1.2	0.02	1.4	6.1	2	168
868322	60.2	61.7	1.5	2.78	39.9	0.4	0.2	693.1	25.1	4.0	0.7	1.8	2.59	0.50	1.2	0.02	1.3	6.3	1	171
868323	61.7	63.2	1.5	2.79	96.9	0.5	0.7	433.8	22.8	12.0	0.5	3.6	3.49	1.68	1.2	0.02	1.7	7.6	2	76
868324	63.2	64.7	1.5	2.88	237.3	0.8	0.8	710.8	28.5	12.3	0.5	3.1	3.43	1.92	1.5	0.02	1.4	6.8	2	55
868325	64.7	66.2	1.5	2.96	45.0	0.3	0.3	447.7	28.6	2.8	0.4	1.9	3.78	1.31	2.4	0.01	1.7	7.0	2	99
868326	66.2	67.7	1.5	3.19	39.6	0.2	0.6	294.9	26.0	9.1	0.4	2.5	3.72	1.79	1.7	0.02	1.3	5.9	2	92
868327	67.7	69.2	1.5	3.04	52.0	0.3	0.8	536.2	31.0	8.3	0.4	2.9	3.19	2.03	1.8	0.04	1.5	6.8	2	34
868328	69.2	70.6	1.4	1.85	259.0	0.5	1.9	417.8	37.7	35.3	0.7	5.3	4.22	3.39	3.6	0.14	1.8	9.3	1	15
868329	70.6	71.4	8.0	1.04	105.6	1.0	1.0	241.9	22.1	20.0	0.6	4.4	3.50	2.19	2.6	0.04	1.7	8.9	1	38

Sample ID	1DX15 Zn ppm 1	1DX15 Mn ppm 1	1DX15 <b>Ca</b> % 0.01	1DX15 Sr ppm 1	1DX15 <b>Mg</b> % 0.01	1DX15 V ppm 2	1DX15 P % 0.001	1DX15 <b>B</b> <b>ppm</b> 1	1DX15 Al % 0.01	1DX15 <b>Na</b> % 0.001	1DX15 <b>K</b> % 0.01	1DX15 Ga ppm 1	1DX15 La ppm 1	1DX15 Cd ppm 0.1	1DX15 Ti % 0.001	1DX15 Sc ppm 0.1	1DX15 TI ppm 0.1	1DX15 U ppm 0.1	1DX15 Th ppm 0.1	1DX15 W ppm 0.1
868301	02	1005	1.07	24	0.92	4.4	0.112	2	1 10	0.010	0.20	4		0.1	0.002	2.0	-0.1	0.0	2.5	
868302	93 90	1065 1209	1.97 1.87	24 28	0.92	44 36	0.112 0.099	3	1.18 1.31	0.018 0.019	0.26 0.31	4 4	5 7	0.1 <0.1	0.002	2.9 2.7	<0.1 <0.1	0.9 0.9	2.5 2.1	0.1 0.1
868303	90	1146	1.91	30	0.93	35	0.099	3	1.23	0.019	0.31	3	7	<0.1	0.002	2.7	<0.1	1.0	2.1	<0.1
868304	92 65	1298	3.28		0.92		0.107	3	0.92	0.017	0.27	3	8	_	0.003		<0.1	0.9	2.4	<0.1
868305				45 47		24		•	0.92	0.022	0.29	_	6	<0.1 <0.1	0.002	2.7	_			_
868306	52 102	1312 1839	3.25	47 27	0.55 1.03	21	0.106	2	1.68	0.008	0.26	2	·		0.002	2.3	0.2	0.9 0.8	2.3	<0.1
868307	102 110	1709	2.47 1.79	37 29	1.03	40 35	0.116 0.117	4 3	1.71	0.010	0.35	4 4	9 7	<0.1	0.004	3.5 3.4	0.1	0.8	2.7 2.5	<0.1 0.1
868308		1709		29 27	0.42		0.117	2		0.013	0.29	2	5	<0.1	0.004	_	0.1			
868309	45 20	1400	2.05 2.04	27	-	17 16	0.107	2	0.88		0.34	2	5 4	0.1	0.002	2.3	0.1	0.8	1.9	0.1
868310	38 95	1957	2.04	33	0.45 0.97	16			0.83 1.39	0.002 0.006	0.29	4	-	<0.1	0.002	2.5 3.7	0.2 <0.1	1.1 0.8	2.0 2.6	0.1 0.1
868311						37	0.110	2				-	6	0.1		_	_		_	_
	88	1127	1.54	21	0.38	18	0.088	2	0.76	0.002	0.28	2	4	0.9	0.002	2.3	0.1	0.8	1.7	0.2
868312	39	704	1.12	14	0.22	15	0.099	2	0.63	0.002	0.32	1	3	0.1	0.002	1.9	0.2	1.0	1.9	0.2
868313	78 110	2164	3.41	45	0.75	26	0.117	3	1.29	0.004	0.34	3	7	<0.1	0.002	3.8	<0.1	0.8	2.3	0.1
868314	119	1890	2.84	41	1.06	43	0.111	3	1.59	0.017	0.32	5	7	<0.1	0.005	4.2	<0.1	0.8	2.5	<0.1
868315	124	1592	2.15	32	1.10	53	0.115	3	1.55	0.020	0.24	5	7	<0.1	0.007	4.2	<0.1	0.7	2.5	<0.1
868316	142	2203	2.88	39	1.20	51	0.114	2	1.76	0.010	0.29	5	7	<0.1	0.004	4.2	<0.1	0.8	2.4	0.1
868317	46	1060	2.25	28	0.28	14	0.108	2	0.66	0.003	0.29	2	5	0.2	0.001	2.0	<0.1	0.9	1.8	0.1
868318	47	1577	3.62	43	0.37	16	0.092	2	0.89	0.002	0.33	2	6	0.2	0.002	2.4	<0.1	0.9	2.0	0.1
868319	60	1456	2.92	39	0.79	42	0.119	2	1.23	0.015	0.27	4	8	<0.1	0.002	4.2	<0.1	0.7	2.6	0.1
868320	58	1662	3.11	41	0.80	42	0.125	3	1.30	0.012	0.32	3	9	<0.1	0.002	4.3	<0.1	0.7	2.9	0.1
868321	60	2034	4.43	66	0.78	38	0.114	3	1.31	0.010	0.29	3	8	<0.1	0.002	3.9	<0.1	0.7	2.7	0.1
868322	38	1853	4.05	73	0.45	24	0.116	3	1.01	0.006	0.32	2	10	<0.1	0.002	3.9	<0.1	0.7	2.6	0.3
868323	68	1605	3.07	41	0.69	27	0.119	3	1.16	0.007	0.31	3	7	<0.1	0.002	3.6	<0.1	0.9	2.5	0.1
868324	51	1349	3.25	43	0.60	21	0.112	3	1.11	0.006	0.34	3	6	<0.1	0.002	3.1	<0.1	0.8	2.5	<0.1
868325	68	1799	3.20	41	0.93	32	0.110	2	1.41	0.008	0.28	4	6	<0.1	0.002	3.7	<0.1	0.8	2.6	0.1
868326	53	1985	3.61	47	0.76	24	0.112	3	1.32	0.004	0.35	3	7	<0.1	0.002	3.2	<0.1	0.8	2.3	0.1
868327	25	2010	5.99	72	0.30	13	0.107	3	0.85	0.002	0.34	2	10	<0.1	0.001	2.9	<0.1	0.8	1.9	0.1
868328	20	1646	4.70	76	0.22	12	0.099	3	0.79	0.003	0.33	2	6	0.1	0.001	3.1	0.1	1.0	1.7	0.1
868329	33	1288	2.80	40	0.44	16	0.119	3	0.93	0.003	0.33	2	6	<0.1	0.001	3.1	<0.1	0.9	2.3	0.1

Sample ID	<u>Ir</u> From m	nterval To m	Len m	Wgt KG	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 <b>Bi</b> <b>ppm</b> 0.1	1DX15 Cu ppm 0.1	1DX15 <b>Mo</b> <b>ppm</b> 0.1	1DX15 As ppm 0.5	1DX15 <b>Sb</b> <b>ppm</b> 0.1	1DX15 Pb ppm 0.1	1DX15 <b>Fe</b> % 0.01	1DX15 <b>S</b> % 0.05	1DX15 <b>Se</b> <b>ppm</b> 0.5	1DX15 <b>Hg</b> <b>ppm</b> 0.01	1DX15 <b>Ni</b> <b>ppm</b> 0.1	1DX15 Co ppm 0.1	1DX15 Cr ppm 1	1DX15  Ba ppm 1
868330	71.4	72.9	1.5	2.76	44.8	0.4	0.3	268.1	14.3	9.2	0.6	2.9	2.78	0.95	1.9	0.01	2.7	7.4	4	106
868331	72.9	74.0	1.1	2.26	51.2	0.2	0.1	365.2	22.2	4.9	0.4	2.7	3.44	0.82	1.7	0.01	2.1	10.2	3	137
868332	74.0	74.4	0.4	0.65	143.6	0.6	0.2	1275.3	23.0	1.4	0.4	3.6	3.10	0.98	3.4	0.02	1.1	8.2	1	95
868333	74.4	75.3	0.9	1.00	216.7	1.1	0.9	2054.9	24.4	9.2	0.9	3.8	4.03	1.84	2.6	0.03	1.6	7.3	<1	74
868334	75.3	76.8	1.5	1.96	409.5	1.8	2.7	1173.5	16.5	35.9	0.7	8.9	5.98	5.45	4.3	0.17	1.9	8.0	2	14
868335	76.8	78.3	1.5	3.41	90.0	0.6	0.6	1209.9	31.0	2.8	0.4	2.5	3.48	1.49	2.7	0.01	1.0	6.7	1	54
868336	78.3	79.8	1.5	2.55	108.4	0.5	0.2	1035.2	33.1	1.0	0.4	1.8	4.03	1.06	2.6	0.01	1.8	6.8	3	116
868337	79.8	81.3	1.5	2.78	89.7	8.0	0.4	1418.8	31.4	2.5	0.3	1.7	4.03	1.04	1.9	0.01	1.7	8.2	2	128
868338	81.3	82.8	1.5	2.84	139.5	0.6	0.3	997.9	53.4	4.0	0.4	3.6	4.29	1.04	2.0	0.02	1.8	8.3	3	113
868339	82.8	84.3	1.5	2.13	62.3	0.4	0.2	725.6	48.4	1.4	0.3	1.9	4.53	1.50	2.3	0.02	1.9	9.6	3	67
868340	84.3	85.8	1.5	3.49	39.4	0.2	0.2	539.4	25.9	2.9	0.5	1.9	3.79	0.46	0.9	< 0.01	1.6	9.2	3	293
868341	85.8	87.3	1.5	2.30	70.1	0.3	0.4	717.8	38.4	2.9	0.3	2.3	3.74	0.67	0.7	0.01	1.7	7.0	2	212
868342	87.3	87.9	0.6	2.27	107.2	0.6	1.0	1215.9	31.9	7.8	0.4	3.6	4.36	2.24	1.7	0.03	1.8	7.2	3	44

page:	4	of	6
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Sample ID	1DX15 Zn ppm 1	1DX15 Mn ppm 1	1DX15 <b>Ca</b> % 0.01	1DX15 Sr ppm 1	1DX15 Mg % 0.01	1DX15 V ppm 2	1DX15 <b>P</b> % 0.001	1DX15 <b>B</b> <b>ppm</b> 1	1DX15 Al % 0.01	1DX15 <b>Na</b> % 0.001	1DX15 <b>K</b> % 0.01	1DX15 Ga ppm 1	1DX15 La ppm 1	1DX15 Cd ppm 0.1	1DX15 Ti % 0.001	1DX15 Sc ppm 0.1	1DX15 TI ppm 0.1	1DX15 U ppm 0.1	1DX15 <b>Th ppm</b> 0.1	1DX15 W ppm 0.1
868330	34	1916	3.85	54	0.58	20	0.110	3	1.06	0.004	0.33	2	8	<0.1	0.002	3.6	<0.1	0.7	2.3	0.1
868331	74	1440	2.88	43	0.91	51	0.112	3	1.38	0.016	0.27	4	8	< 0.1	0.002	4.1	< 0.1	0.6	2.5	<0.1
868332	51	1732	4.18	59	0.65	30	0.102	5	1.30	0.006	0.33	3	9	0.1	0.001	3.7	< 0.1	0.7	2.3	0.1
868333	35	2615	5.89	74	0.64	21	0.100	3	1.12	0.004	0.31	2	9	0.2	0.003	3.8	< 0.1	0.9	1.8	0.4
868334	23	1517	3.43	40	0.27	13	0.093	2	0.69	0.003	0.30	2	6	0.1	0.001	2.4	0.1	1.2	1.7	0.2
868335	39	1421	2.76	33	0.56	24	0.116	3	1.07	0.003	0.30	3	8	< 0.1	0.001	3.4	< 0.1	0.7	2.5	0.1
868336	72	1235	2.36	32	1.00	53	0.115	3	1.50	0.016	0.28	5	8	0.1	0.002	3.7	< 0.1	0.7	2.7	< 0.1
868337	75	1277	2.64	33	1.00	50	0.114	2	1.46	0.013	0.26	5	8	0.1	0.003	3.5	< 0.1	0.7	2.6	< 0.1
868338	79	1123	2.23	33	1.07	64	0.117	3	1.56	0.033	0.27	5	8	< 0.1	0.004	3.9	< 0.1	0.8	2.8	< 0.1
868339	80	950	2.01	29	1.08	63	0.119	3	1.43	0.027	0.23	6	7	< 0.1	0.004	3.9	< 0.1	0.8	2.8	< 0.1
868340	88	1658	2.67	38	0.96	56	0.116	3	1.52	0.018	0.31	5	10	< 0.1	0.003	4.1	< 0.1	0.7	2.9	< 0.1
868341	88	1924	3.27	40	0.91	50	0.113	3	1.33	0.011	0.29	4	10	< 0.1	0.002	3.7	< 0.1	0.7	2.7	<0.1
868342	73	1618	2.69	33	0.66	36	0.118	2	1.15	0.007	0.34	3	8	0.2	0.003	3.3	< 0.1	0.8	2.2	<0.1

Sample ID	<u>lr</u> From m	nterval To m	Len m	Wgt KG	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 <b>Bi</b> <b>ppm</b> 0.1	1DX15 Cu ppm 0.1	1DX15 Mo ppm 0.1	As ppm 0.5	1DX15 <b>Sb</b> <b>ppm</b> 0.1	1DX15 Pb ppm 0.1	1DX15 Fe % 0.01	1DX15 <b>S</b> % 0.05	1DX15 Se ppm 0.5	1DX15 Hg ppm 0.01	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Cr ppm 1	1DX15 Ba ppm 1
	Pulp Dup	licates:	_																	
868329 868329R				1.04	20.0 20.1	1.0 1.0	1.0 1.0	_	22.1 21.5	0.9 0.9	0.6 0.6	4.4 4.0	3.50 3.46	2.19 2.18	2.6 2.5	0.04 0.03	1.7 1.8	8.9 8.8	1 1	38 32
868336 868336R				2.55	1.0 1.0	0.5 0.5	_	1035.2 1046.8	33.1 35.6	0.7 0.7	0.4 0.4	1.8 2.0	4.03 4.08	1.06 1.07	2.6 2.8	0.01 0.02	1.8 1.5	6.8 6.9	3	116 121
	Referenc	e Mater	ials:																	
STD DS7 STD DS7 STD DS7 STD DS7					47.4 46.4 46.6 47.8	0.8 0.8 0.8	4.6 4.4 4.5 4.7	117.2 113.9 110.0 107.8	22.8 22.7 20.2 20.3	5.0 4.8 5.0 5.2	6.0 5.7 5.8 5.7	71.8 69.3 69.4 73.0	2.33 2.32 2.32 2.32	0.19 0.19 0.20 0.19	3.2 3.5 3.2 3.6	0.22 0.19 0.18 0.18	63.1 59.0 57.4 57.5	9.8 9.2 9.5 9.3	207 203 197 196	380 363 352 359
BLK BLK					<0.5 <0.5	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.01 <0.01	<0.05 <0.05	<0.5 <0.5	<0.01 <0.01	<0.1 <0.1	<0.1 <0.1	<1 <1	<1 <1
	<u>Prep Bla</u>	nk:																		
G1 G1					0.9 <0.5	<0.1 <0.1	<0.1 <0.1	5.7 7.7	0.3 0.1	1.3 1.5	<0.1 <0.1	2.5 2.6	1.98 2.13	<0.05 <0.05	<0.5 <0.5	<0.01 <0.01	4.9 4.4	4.6 5.0	9 11	256 266

Acme Analytical Laboratories Ltd.

Method 1DX Aqua regia digestions, ICP analysis, 15g subsample

Discovery Consultants W.R. Gilmour, PGeo March 20, 2010

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Sample ID	1DX15 Zn ppm 1	1DX15 Mn ppm 1	1DX15 Ca % 0.01	1DX15 Sr ppm 1	1DX15 Mg % 0.01	1DX15 V ppm 2	1DX15 P % 0.001	1DX15 B ppm 1	1DX15 <b>Al</b> % 0.01	1DX15 <b>Na</b> % 0.001	1DX15 <b>K</b> % 0.01	1DX15 Ga ppm 1	1DX15 La ppm 1	1DX15 Cd ppm 0.1	1DX15 Ti % 0.001	1DX15 Sc ppm 0.1	1DX15 TI ppm 0.1	1DX15 U ppm 0.1	1DX15 Th ppm 0.1	1DX15 W ppm 0.1
868329	33	1288	2.80	40	0.44	16	0.119	3	0.93	0.003	0.33	2	6	<0.1	0.001	3.1	<0.1	105.6	2.3	0.1
868329R	33	1274	2.79	40	0.44	16	0.122	3	0.89	0.003	0.33	2	5	0.1	0.001	3.1	<0.1	118.5	2.2	0.1
868336	72	1235	2.36	32	1.00	53	0.115	3	1.50	0.016	0.28	5	8	0.1	0.002	3.7	<0.1	108.4	2.7	<0.1
868336R	75	1271	2.38	33	1.04	53	0.118	3	1.54	0.017	0.28	5	8	<0.1	0.002	3.7	<0.1	109.1	2.7	<0.1
STD DS7	386	592	0.96	72	0.98	77	0.073	39	0.98	0.091	0.42	4	12	6.3	0.124	2.4	4.2	67.3	4.8	4.1
STD DS7	377	585	0.96	69	1.00	76	0.073	36	0.95	0.091	0.42	4	12	6.2	_	2.4	3.9	76.0	4.6	3.6
STD DS7	383	583	0.96	69	0.99	79	0.073	36	0.97	0.091	0.37	4	12	6.4	-	2.3	3.9	60.5	4.4	3.8
STD DS7	393	580	0.96	73	0.98	78	0.075	36	0.97	0.091	0.39	4	12	6.2	0.119	2.2	4.1	67.3	4.2	3.6
BLK	<1	<1	<0.01	<1	<0.01	<2	<0.001	<1	<0.01	<0.001	<0.01	<1	<1	<0.1	<0.001	<0.1	<0.1	<0.5	<0.1	<0.1
BLK	<1	<1	<0.01	<1	< 0.01	<2	<0.001	<1	<0.01	<0.001	<0.01	<1	<1	<0.1	<0.001	<0.1	<0.1	<0.5	<0.1	<0.1
0.4	4-	- 4-	0.45	4-	0.50	0.5	0.075	_	0.05	0.04-	0.51	٠	_		0.400		0.5	0.5	2.5	
G1	47	547	0.45	47	0.59	36	0.078	<1	0.88	0.045	0.51	4	5	<0.1	0.128	1.6	0.3	<0.5	3.2	<0.1
G1	50	578	0.56	60	0.63	41	0.082	1	1.02	0.080	0.56	5	7	<0.1	0.146	2.0	0.4	1.5	3.9	<0.1

