

Ministry of Energy & Mines  
Energy & Minerals Division  
Geological Survey Branch

**ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY**

<b>TITLE OF REPORT [type of survey(s)]</b> <i>Reconnaissance Sampling, Mapping, Trenching, Ground Geophysics, Drilling, and Geochemistry</i>	<b>TOTAL COST</b> <i>\$289,425.91</i>
<b>AUTHOR(S)</b> <i>Justin Jackson, Dave Crute, Felicia Cheng</i>	<b>SIGNATURE(S)</b>

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) \_\_\_\_\_ YEAR OF WORK *2007*

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) *(#175500.00) Oct 18, 2007 - 4175701*  
*(\$110925.91) Jan 25, 2008 - 4192047*

PROPERTY NAME *Ponderosa, Inn*

CLAIM NAME(S) (on which work was done) *521380, 521382, 521383, 521407, 521384, 521385, 521386, 521387, 521390, 521391, 521392, 52154, 522155, 522887, 522888, 522257, 522256, 522258.*

COMMODITIES SOUGHT *Gold*

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

MINING DIVISION *Kamloops, Merritt Area* NTS *92 I/02.03, 92 II/15*

LATITUDE *50* ° *03.5* " LONGITUDE *120* ° *58.5* " (at centre of work)

OWNER(S)  
1) *Sturtevant Exploration Inc.* 2) *Almaden Minerals*

MAILING ADDRESS  
*800-625 Howe St* *1103-750 West Pender St.*  
*Vancouver, BC V6C 2T6* *Vancouver, BC V6C 2T8.*

OPERATOR(S) [who paid for the work]  
1) *Sturtevant Exploration Inc.* 2) *Almaden Minerals*

MAILING ADDRESS  
*same as above* *same as above.*

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
*Spences Ridge Group (andesite), Princeton Group (rhyolite, dacite), low sulphidation epithermal quartz veins.*

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS  
*2006 Assessment Report*

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	Scale 1:10,000	521380, 521382, 521383,	} \$6,168.43
Photo interpretation		521384, 521385, 521407,	
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground		522154 522155	} \$3,270.00
Magnetic	6.18 line km		
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL</b>			
(number of samples analysed for ...)			
Soil			
Silt			
Rock	194 + 2 RR		} \$10,635.53
Other	QAGC 67		
<b>DRILLING</b>			
(total metres; number of holes, size)			
Core	960.72 m <del>288</del>		\$1,925.59.62
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	Reconnaissance	521380, 521382-521385 521407, 522154, 522155	} \$19,292.33
<b>PREPARATORY/PHYSICAL</b>			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)	213 m		\$7,500.00
Underground dev. (metres)			
Other			
<b>TOTAL COST</b>			<b>\$289,425.91</b>

*Inn filing*



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Event Number: 4175701

Work Start Date: 2007/AUG/14      Total Value of Work: \$ 175500.00  
 Work Stop Date: 2007/OCT/18      Mine Permit No:

Work Type: Technical and Physical Work  
 Physical Items: Reclamation, Trench or open-cut work  
 Technical Items: Drilling, Geochemical, Geological, Geophysical, Prospecting

**Summary of the work value:**

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Work Value Due	Sub-mission Fee
521380	MC 1	2005/oct/20	2008/dec/31	2009/jan/15	15	519.04	\$ 85.32	\$ 8.53
521382		2005/oct/20	2008/dec/31	2009/jan/15	15	518.87	\$ 85.29	\$ 8.53
521383	MC 3	2005/oct/20	2008/dec/31	2009/jan/15	15	415.10	\$ 68.24	\$ 6.82
521407	MC 11	2005/oct/20	2008/dec/31	2009/jan/15	15	498.38	\$ 81.93	\$ 8.19
521384	MC 4	2005/oct/20	2007/oct/20	2009/jan/15	453	518.64	\$ 2569.06	\$ 257.47
521385	MC 5	2005/oct/20	2007/oct/20	2009/jan/15	453	414.92	\$ 2055.28	\$ 205.98
521386	MC 6	2005/oct/20	2007/oct/20	2009/jan/15	453	518.42	\$ 2567.97	\$ 257.37
521387	MC 7	2005/oct/20	2007/oct/20	2009/jan/15	453	414.75	\$ 2054.42	\$ 205.90
521390	MC 8	2005/oct/20	2007/oct/20	2009/jan/15	453	414.59	\$ 2053.65	\$ 205.82
521391	MC 9	2005/oct/20	2007/oct/20	2009/jan/15	453	331.68	\$ 1642.93	\$ 164.66
521392	MC 10	2005/oct/20	2007/oct/20	2009/jan/15	453	497.71	\$ 2465.37	\$ 247.08
522154	MC 11	2005/nov/09	2007/oct/20	2009/jan/15	453	435.91	\$ 2159.24	\$ 216.40
522155	MC 12 / PONDEROSA	2005/nov/09	2007/oct/20	2009/jan/15	453	456.93	\$ 2263.37	\$ 226.84
522887	MC 14 / PONDEROSA	2005/nov/28	2007/oct/20	2009/jan/15	453	497.34	\$ 2463.52	\$ 246.90
522888	MC 15 / PONDEROSA	2005/nov/28	2007/oct/20	2009/jan/14	452	497.35	\$ 2458.12	\$ 246.36
522256	INN1	2005/nov/13	2008/nov/30	2012/nov/30	1461	498.03	\$ 14037.60	\$ 797.39
522257	INN2	2005/nov/13	2008/nov/30	2012/nov/30	1461	497.78	\$ 14030.58	\$ 796.99
522258	INN3	2005/nov/13	2008/nov/30	2012/nov/30	1461	414.63	\$ 11686.86	\$ 663.86

Total required work value: \$ 64828.75

PAC name: Strongbow Exploration Inc.  
 Debited PAC amount: \$ 0.00  
 Credited PAC amount: \$ 110671.25



<b>Total Submission Fees:</b>	\$	4771.09
<b>Total Paid:</b>	\$	4771.09

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Event Number: 4192047

Work Start Date: 2007/AUG/14      Total Value of Work: \$ 110925.91  
 Work Stop Date: 2007/OCT/18      Mine Permit No:

Work Type: Technical and Physical Work  
 Physical Items: Reclamation, Trench or open-cut work  
 Technical Items: Drilling, Geochemical, Geological, Geophysical, Prospecting

#### Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha	Work Value Due	Sub-mission Fee
521380	MC 1	2005/oct/20	2009/jan/15	2011/jan/13	728	519.04	\$ 6700.64	\$ 414.10
521382		2005/oct/20	2009/jan/15	2011/jan/13	728	518.87	\$ 6698.35	\$ 413.96
521383	MC 3	2005/oct/20	2009/jan/15	2011/jan/13	728	415.10	\$ 5358.77	\$ 331.17
521384	MC 4	2005/oct/20	2009/jan/15	2011/jan/13	728	518.64	\$ 6695.47	\$ 413.78
521385	MC 5	2005/oct/20	2009/jan/15	2011/jan/13	728	414.92	\$ 5356.47	\$ 331.03
521386	MC 6	2005/oct/20	2009/jan/15	2011/jan/13	728	518.42	\$ 6692.64	\$ 413.60
521387	MC 7	2005/oct/20	2009/jan/15	2011/jan/13	728	414.75	\$ 5354.21	\$ 330.89
521390	MC 8	2005/oct/20	2009/jan/15	2011/jan/13	728	414.59	\$ 5352.20	\$ 330.76
521391	MC 9	2005/oct/20	2009/jan/15	2011/jan/13	728	331.68	\$ 4281.79	\$ 264.61
521392	MC 10	2005/oct/20	2009/jan/15	2011/jan/13	728	497.71	\$ 6425.23	\$ 397.08
521407	MC 11	2005/oct/20	2009/jan/15	2011/jan/13	728	498.38	\$ 6433.91	\$ 397.61
522154	MC 11	2005/nov/09	2009/jan/15	2011/jan/13	728	435.91	\$ 5531.86	\$ 347.77
522155	MC 12 / PONDEROSA	2005/nov/09	2009/jan/15	2011/jan/13	728	456.93	\$ 5798.64	\$ 364.54
522887	MC 14 / PONDEROSA	2005/nov/28	2009/jan/15	2011/jan/13	728	497.34	\$ 6207.86	\$ 396.78
522888	MC 15 / PONDEROSA	2005/nov/28	2009/jan/14	2011/jan/13	729	497.35	\$ 6213.43	\$ 397.33

Total required work value: \$ 89101.47  
 PAC name: Strongbow Exploration Inc.  
 Debited PAC amount: \$ 0.00  
 Credited PAC amount: \$ 21824.44  
 Total Submission Fees: \$ 5545.01  
 Total Paid: \$ 5545.01



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Confirmation

Recorder: STRONGBOW EXPLORATION INC. (200995)      Submitter: STRONGBOW EXPLORATION INC. (200995)  
 Recorded: 2008/JAN/25      Effective: 2008/JAN/25  
 D/E Date: 2008/JAN/25

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Event Number: 4192079

Work Start Date: 2007/AUG/14      Total Value of Work: \$ 3000.00  
 Work Stop Date: 2007/OCT/18      Mine Permit No:

Work Type: Technical and Physical Work  
 Physical Items: Reclamation, Trench or open-cut work  
 Technical Items: Drilling, Geochemical, Geological, Geophysical, Prospecting

#### Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Work Value Due	Sub- mission Fee
521380	MC 1	2005/oct/20	2011/jan/13	2011/jan/31	18	519.04	\$ 204.77	\$ 10.24
521382		2005/oct/20	2011/jan/13	2011/jan/31	18	518.87	\$ 204.70	\$ 10.24
521383	MC 3	2005/oct/20	2011/jan/13	2011/jan/31	18	415.10	\$ 163.77	\$ 8.19
521384	MC 4	2005/oct/20	2011/jan/13	2011/jan/31	18	518.64	\$ 204.62	\$ 10.23
521385	MC 5	2005/oct/20	2011/jan/13	2011/jan/31	18	414.92	\$ 163.70	\$ 8.18
521386	MC 6	2005/oct/20	2011/jan/13	2011/jan/31	18	518.42	\$ 204.53	\$ 10.23
521387	MC 7	2005/oct/20	2011/jan/13	2011/jan/31	18	414.75	\$ 163.63	\$ 8.18
521390	MC 8	2005/oct/20	2011/jan/13	2011/jan/31	18	414.59	\$ 163.56	\$ 8.18
521391	MC 9	2005/oct/20	2011/jan/13	2011/jan/31	18	331.68	\$ 130.85	\$ 6.54
521392	MC 10	2005/oct/20	2011/jan/13	2011/jan/31	18	497.71	\$ 196.36	\$ 9.82
521407	MC 11	2005/oct/20	2011/jan/13	2011/jan/31	18	498.38	\$ 196.62	\$ 9.83
522154	MC 11	2005/nov/09	2011/jan/13	2011/jan/31	18	435.91	\$ 171.98	\$ 8.60
522155	MC 12 / PONDEROSA	2005/nov/09	2011/jan/13	2011/jan/31	18	456.93	\$ 180.27	\$ 9.01
522887	MC 14 / PONDEROSA	2005/nov/28	2011/jan/13	2011/jan/31	18	497.34	\$ 196.21	\$ 9.81
522888	MC 15 / PONDEROSA	2005/nov/28	2011/jan/13	2011/jan/31	18	497.35	\$ 196.21	\$ 9.81

Total required work value: \$ 2741.78

PAC name: Strongbow Exploration Inc.  
 Debited PAC amount: \$ 0.00  
 Credited PAC amount: \$ 258.22

Total Submission Fees: \$ 137.09

Total Paid: \$ 137.09

**2007 REPORT ON EXPLORATION ACTIVITIES**

**RECONNIASSANCE SAMPLING, GROUND GEOPHYSICS,  
MAPPING, TRENCHING, DRILLING AND GEOCHEMISTRY**

**PONDEROSA & INN PROPERTIES**

**(CLAIMS: 522256-58, 521380, 521382-87, 521390-92, 521407,  
522154-55, 522887-88)**

Nicola Mining Divisions  
Merritt Area, British Columbia  
NTS: 92I/2,3 and 92H/15; BCGS: 092H086, 087, 096, 097  
Latitude 50°03.5' N Longitude 120°58.5' W  
UTM Zone 10: 644750E, 5544200N (NAD 83)

January, 2008

**(BC 2007 ASSESSMENT)**

By  
Justin Jackson  
David F. Gale, P. Geo (BC)  
Felicia Y. Chang, P. Geo (BC)

Strongbow Exploration Inc.  
800-625 Howe St.  
Vancouver, B.C. V6C 1T2



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Files (CD-R copy only)

## **LIST OF CDS**

(With report; 1 copy only)

(Final Report and figures and maps; PDF document)



## SUMMARY

Recent discoveries of gold mineralization associated with massive to stockwork quartz vein systems highlight the potential of the Spences Bridge Group as a host to epithermal-style mineralization. Reconnaissance geochemical sampling, prospecting, grid soil sampling, and hand trenching carried out by Almaden Minerals (Almaden) between 2002 and 2006 led to the discovery of the Axel Ridge gold showing, situated approximately 30km southwest of Merritt in southern British Columbia. The Axel Ridge showing is associated with banded quartz veining and breccia hosted in strongly silicified and clay-altered andesite. This veining has been linked to a low sulphidation epithermal system based on its gold and silver values as well as anomalous concentrations of characteristic pathfinder elements. Three hand trenches, exposed by Almaden in 2006 have returned gold results of **11.7m grading 2.22 g/t, 10.0m grading 1.50 g/t and 6.6m grading 2.83 g/t**. A north-south trending soil geochemical anomaly extends beyond the Axel Ridge showing, which corresponds to a 2 km long structural trend referred to as the Axel Ridge Trend.

In August of 2007, Strongbow Exploration Inc. (Strongbow) optioned the property from Almaden and subsequently completed ground magnetic surveys, prospecting, bedrock mapping and mechanized trenching of the Axel Ridge showing and surrounding areas. This summer program produced exciting results for the Ponderosa property. The **6.78km** ground magnetic survey identified a magnetic low anomaly called the Axel Ridge trend, greater than **600m** in length, trending north-south through the Axel Ridge gold showing. Preliminary bedrock mapping in the vicinity of the showing suggested that it was hosted in the **Pimainus Formation** of the Spences Bridge Group, which is a highly prospective gold target on Strongbow's Skoonka Creek property. To add further to this, the trenching program in late August firmly established a **57m** strike continuity of the Axel Ridge showing and overall established a **275m NNW** trend in mineralization. Some highlighted assayed from these excavations include; **1.92 g/t Au over 14m, 1.05 g/t Au over 4m, 0.60 g/t Au over 38m and 1.24 g/t Au over 4m** (Section 5.2). This work provided Strongbow with encouraging results to proceed with a 6 hole, **960.72m**, fall drilling program in October 2007 that tested the extent of the Axel Ridge vein system at depth.

Strongbow's fall drill program of Ponderosa generated frustrating results. Five drill holes scissored the Axel Ridge showing from both east and west, with one hole investigating the NNW strike, to test all possible vein dips. All six holes failed to intersect the quartz veining observed on surface and failed to produce anomalous results.

## 1.0 INTRODUCTION

In August of 2007, Strongbow entered into an option agreement with Almaden Minerals to earn up to a 60% interest in the **6,950 ha** Ponderosa property. Strongbow's summer exploration program consisted of; reconnaissance sampling, a **6.78-line kilometre** ground magnetic survey, mechanized trenching, chip sampling, and bedrock mapping in the vicinity of the Axel Ridge showing. Results from this work allowed Strongbow to identify targets for its fall drilling program. The purpose of this report is to provide a summary of exploration work conducted within the Ponderosa as well as the adjacent Inn property during the 2007 field season.

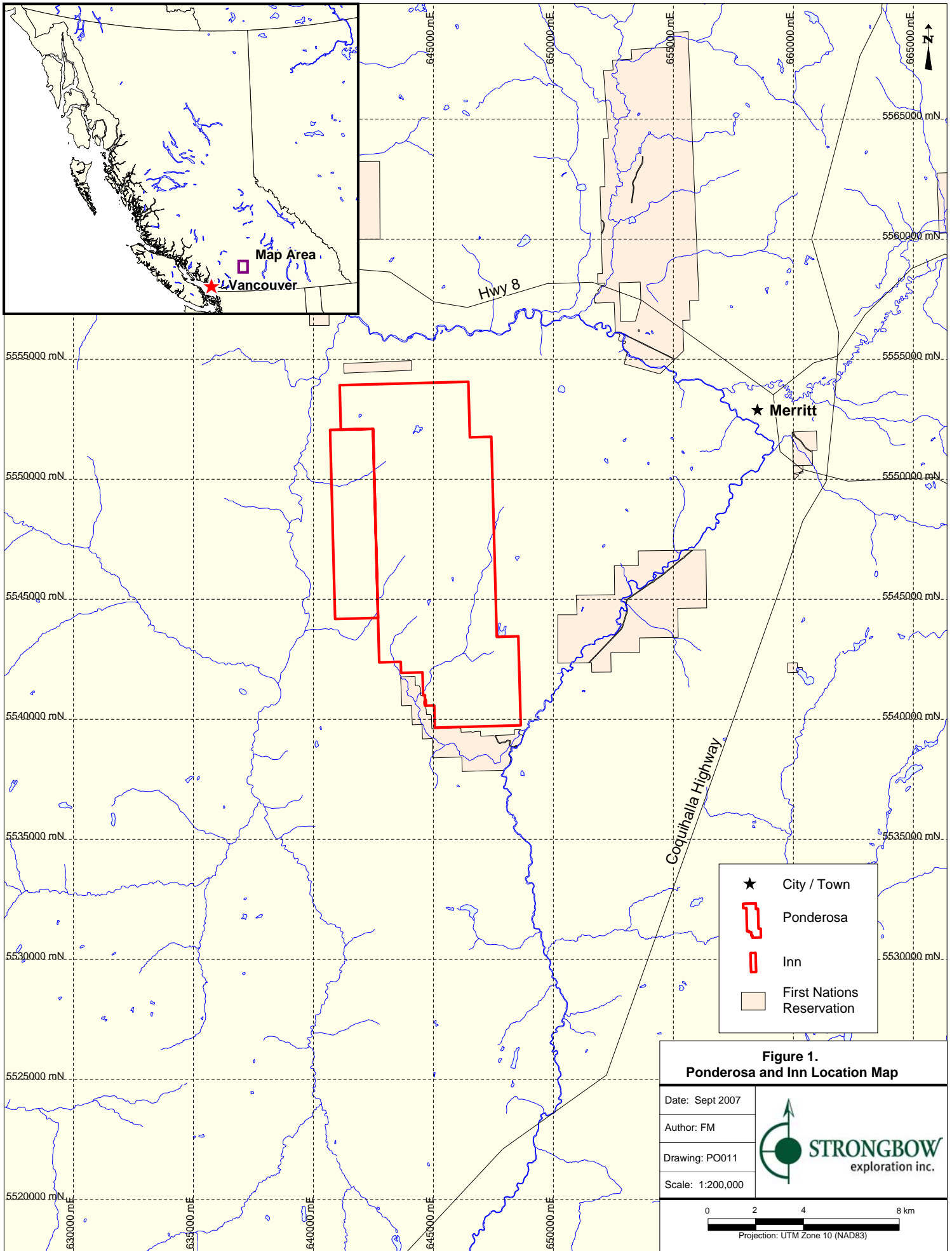
### *1.1 Location, Access, Physiography and Climate*

The Ponderosa property is located 30km southwest of Merritt, BC and is situated at latitude 49°52'N and longitude 120°50'W or 655000E, 5526000N (UTM NAD 83, Zone 10). The property area is covered by 1:50 000 scale NTS map sheets 92I/2, 3 and 92H/15 (Figure 1). The property can be readily accessed from Merritt along well-maintained public and forestry roads. To enter the southern portion of the property, take Coldwater Road located southwest of Merritt, turn west-northwest on Patchett Road, then travel north along non-active forestry roads.

The property is dominantly controlled by rolling upland terrain of the Coutlee Plateau, within the southern intermontane physiographic region. Historically, the region has been selectively logged. Elevations range between 800 and 1684m above sea level. The climate on the Ponderosa property is semi-arid with hot, dry summers. Forests consist of widely-spaced lodge-pole pine, Ponderosa pine and Douglas fir. Bedrock exposure is moderate, while soil and till cover is extensive although generally shallow (Balon, 2006).

### *1.2 Claim Data*

The Ponderosa property was staked and is owned by Almaden Minerals (Table 1). Strongbow Exploration was the 2007 operator of the Ponderosa project. The claim data is summarized below in Table 1 and the new expiration date incorporates the 2007 work. Table 2 represents the claim data of Strongbow's 100% owned Inn property which is adjacent to the Ponderosa's western margin. The claim locations for both properties may be viewed in Figure 2.



**Figure 1.**  
**Ponderosa and Inn Location Map**

Date: Sept 2007

Author: FM

Drawing: PO011

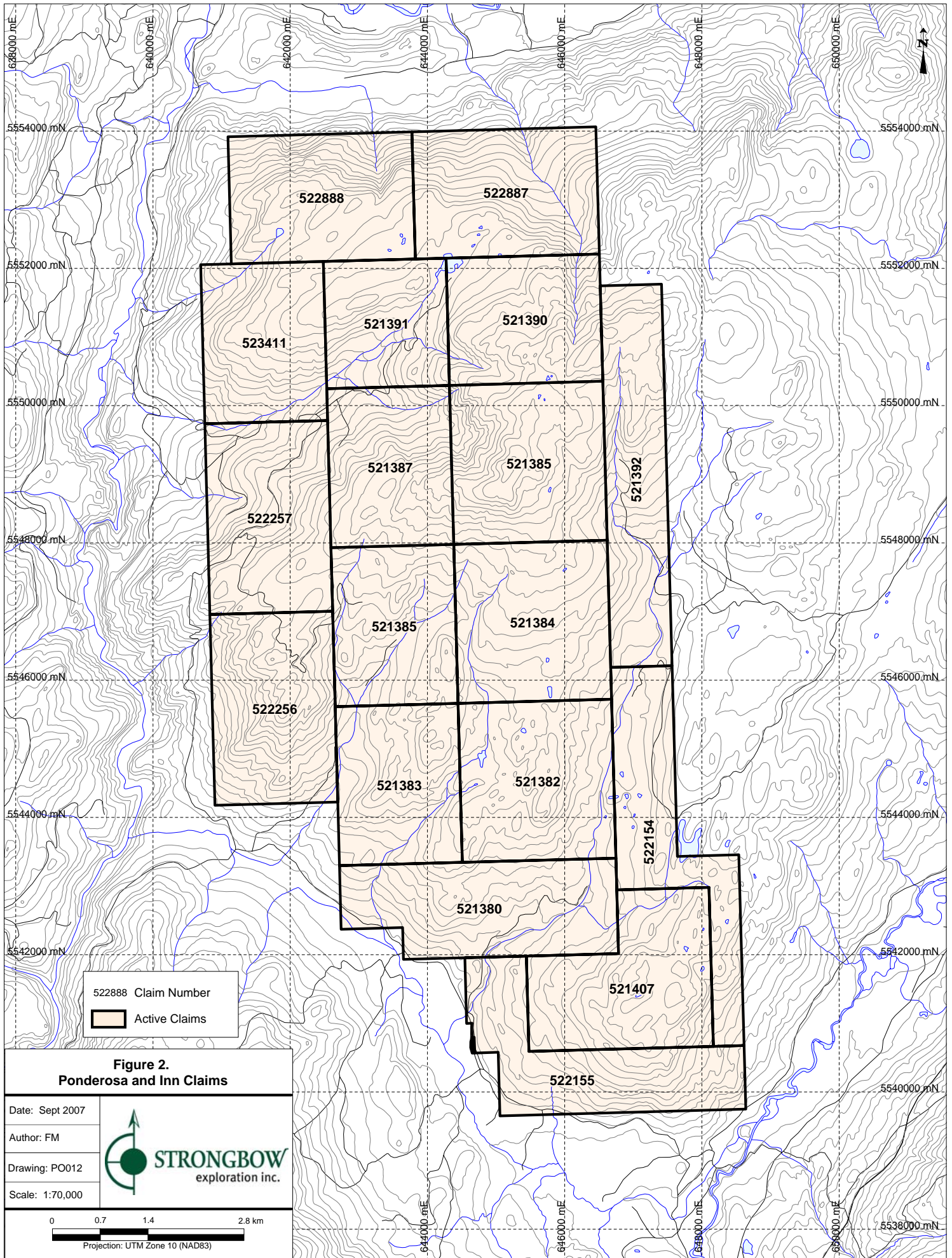
Scale: 1:200,000



0 2 4 8 km

Projection: UTM Zone 10 (NAD83)





**Table 1. Ponderosa Mineral Claims**

<b>Tenure Number</b>	<b>Claim Name</b>	<b>Area</b>	<b>Expiry Date</b>
521380	MC1	519.04	15-Jan-09
521382	*	518.87	15-Jan-09
521383	MC3	415.10	15-Jan-09
521384	MC4	518.64	15-Jan-09
521385	MC5	414.92	15-Jan-09
521386	MC6	518.42	15-Jan-09
521387	MC7	414.75	15-Jan-09
521390	MC8	414.59	15-Jan-09
521391	MC9	331.68	15-Jan-09
521392	MC10	497.71	15-Jan-09
521407	MC11	498.38	15-Jan-09
522154	MC11	435.91	15-Jan-09
522155	MC 12	456.93	15-Jan-09
522887	MC 14	497.34	15-Jan-09
522888	MC 15	497.35	15-Jan-09
<b>TOTAL</b>		<b>6949.63</b>	

**Table 2. Inn Mineral Claims**

<b>Tenure Number</b>	<b>Owner</b>	<b>Area</b>	<b>Expiry Date</b>
522256	200995 (100%)	498.03	30-Nov-12
522257	200995 (100%)	497.78	30-Nov-12
522258	200995 (100%)	414.629	30-Nov-12
<b>TOTAL</b>		<b>1410.439</b>	

### ***1.3 History***

The discovery of placer gold in gravel bars adjacent to the Skoonka Creek property, located approximately 35km north of the Ponderosa property, ignited the Fraser and Thompson rivers gold rush between the 19<sup>th</sup> and 20<sup>th</sup> centuries (Balon, 2005). Placer gold was mined from gravel bars on major tributaries in the Ashcroft-Lytton-Lillooet district. In particular, the Nicoamen River, located 12km downstream from the mouth of Skoonka Creek, played a role in initiating the gold rush in interior British Columbia (Stewart & Gale, 2006).

Reconnaissance prospecting and geochemical sampling as follow-up to RGS silt sample results on the Ponderosa Property led Almaden Minerals Ltd. to acquire the Ponderosa Property in 2005. Follow-up exploration programs in 2005 and 2006 carried out by Almaden included further prospecting, grid-based soil sampling, bedrock mapping and hand-trench sampling. The Axel Ridge showing, a north-south trending zone associated with quartz veining and breccia hosted in strongly silicified and clay altered andesite, was discovered during the 2006 field season. This highly prospective showing encouraged Strongbow to option the Ponderosa property from Almaden in August of 2007.

## ***1.4 2007 Exploration Program***

Fieldwork conducted by Strongbow on the Ponderosa property took place in two phases between August 2 and October 20, 2007. The first phase of exploration in August focused on prospecting, rock trenching, bedrock mapping and performing a ground magnetic survey in the vicinity of the Axel Ridge showing. Strongbow's goals were to define the dimensions of the Axel Ridge showing and to try to extend the known strike of mineralization. Following a successful summer program, the second phase comprised of limited surface prospecting together with a six-hole, **960.72m**, fall drilling program that took place between September 29 and October 20.

## **2.0 GEOLOGICAL SETTING**

### ***2.1 Regional Geology and Mineral Deposits***

The regional bedrock geology is shown in Map 1. This figure covers part of the southern Intermontane Tectonic Belt of the Canadian Cordillera; it was compiled and simplified from GSC Maps 42-1989 (Ashcroft, by J.W.H. Monger and W.J. McMillan, 1989) and 41-1989 (Hope, by J.W.H. Monger, 1989).

Lithologies within the Map 1 area include successions of Mesozoic to Cenozoic volcanic and sedimentary rocks, which have been intruded by plutons of various compositions and ages from approximately Permian and/or Triassic to Miocene. Locally thick deposits of Pleistocene and recent glacial drift and alluvium are prevalent in all of the major creek and river valleys. Much of the region was overridden during the last Pleistocene glaciation by ice moving generally southeast, but more directly southward in the Spius – Midday Creeks area (Nicoamen Plateau; Ryder, 1975; Balon, 2006).

The dominant rock assemblage underlying the Ponderosa property is the Cretaceous Spius Creek Formation, a basaltic andesite unit (IKSBSva). This is the upper sequence of the Spences Bridge Group (IKSBSva, IKSB, IKSBPva, and IKSBP) which is a broad northwest-trending thick sequence of gently folded volcanics with lesser sediments, having variable orientations and generally shallow dips. The upper sequence was formerly called the Kingsvale Group by earlier government geologists (Rice, 1947; Duffell and McTaggart, 1952; and others before Thorkelson, 1985). A lower assemblage called the Pimainus Formation includes intermediate, locally felsic to mafic, flows and pyroclastics with some sandstone, shale and conglomerate.

The Spences Bridge Group unconformably overlies older plutonic rocks consisting of granodiorite to diorite/gabbro intrusives of the Permian-Triassic Mount Lytton Complex (PTrMgd, PTrMdr, and PTrMml). These plutonic rocks outcrop due west of the Ponderosa/Inn properties and follow a northwest trend adjacent to the Spences Bridge Group. The Mount Lytton Complex is observed in the southern portion of Strongbow's Skoonka Creek property. The Spences Bridge Group is unconformably overlain by the Eocene Princeton/Kamloops Group (EKav, EKas, EPrb, and EPr), mafic and felsic volcanics, large bodies of which are found both to the east (~2km) and west (~6km) of



the property. Small Cenozoic intrusions of feldspar porphyry composition (Efp) occur in contact with the Spences Bridge rocks a few kilometres to the northeast, on Strongbow's Southern Belle property, and northwest of the claim group (Map 1).

The major structural features in the region are steeply dipping normal faults. The Spius Creek Fault, 2-3km west of the property, is a probable southern extension of the Lornex (Big Divide) Fault which transects the Guichon Batholith (LTrJqm, LTrJGH) in the northern area of Map 1. A prominent northeastern splay of the southern Spius Creek Break, called the Midday Creek Fault, cuts across the southeastern portion of the claim block. Although local faults have been mapped with a variety of attitudes, the dominant trends are north-south and 1400 to 1500 (Monger, 1981). It has been postulated that the rocks of the Spences Bridge Group formed as a chain of stratovolcanoes associated with subsiding, fault bounded basins (Souther, 1991 and Thorkelson, 1985).

The Craigmont copper iron skarn mines (Map 1), Nickel Plate/Hedley Mascot and Elk/Siwash Lake are significant mineral deposits that occur in the area of the Ponderosa property. The Craigmont mine contains 33 million tonnes, grading 1.3% Cu (Balon, 2005), and lies adjacent to the southern margin of the Guichon Creek batholith. Host rocks are calcareous sedimentary rocks of the Nicola Group comprised of limestones, limy tuffs, greywackes and argillites. Mineralization consists of magnetite, hematite and chalcopryrite and occurs as massive pods, lenses and disseminations extending through the calc-silicate horizon. The body is roughly tabular, trends east and dips near vertically. Minor folding and faulting is present but do not significantly distort the mineralization (MINFILE 092ISE035). The Hedley Mascot mine was a historic, high grade Au-Ag skarn deposit lying high above the town of Hedley. The mine is a discontinuous garnet pyroxene skarn mineralized with arsenic, pyrrhotite, chalcopryrite, sphalerite and magnetite. The deposit is hosted in sediments of the Nicola Group which have been extensively intruded by hornblende porphyritic diorite sills and dikes (MINFILE 092HSE036). The Siwash Lake (Elk) deposit is currently being exploited by Almaden minerals, east of the Shovelnose property. This high grade mesothermal Au-Ag deposit produced 51,750 ounces in the 1990's and currently hosts a 43-101 compliant resource of 285,000 indicated and measured ounces of gold. Mineralized quartz veins are hosted in the margin of the middle Jurassic age Osprey batholith, itself hosted in upper Triassic Nicola age volcanic rocks (MINFILE 092HNE041, Almaden Minerals website) (Stewart & Gale, 2006).

There are over six known occurrences of low sulphidation type epithermal gold mineralization hosted by quartz veins and breccia in Spences Bridge volcanic belt, which form a northwest-southeast trend of 50 kilometres (Balon, 2006). Although there are no currently producing gold mines within the belt, several of the gold showings have been drill tested, including the JJ showing (Skoonka Creek) and the RM zone (Prospect Valley).

## ***2.2 Ponderosa Property Geology, Alteration and Mineralization***

During August 2007, seven days of geologic mapping were conducted on the Ponderosa property. The primary focus of the mapping was to understand the geologic relationships of the Axel Ridge trend relative to the Spences Bridge Group volcanics. All mapping to date has been focused on the southern half of the property and is presented in Figure 3. The following is a descriptive summary of the units on the preliminary map (Leatherman, 2007).

**Unit 1** - Late andesite flow – light tan to grey, porphyritic andesite flow, 20% subhedral to euhedral plagioclase feldspar phenocrysts up to 3mm in length, 10% hornblende needles up to 2mm in length, 5% euhedral biotite phenocrysts up to 3mm in diameter. In localized areas there are quartz masses or phenocrysts, 1-2% subhedral, up to 2 mm in diameter. Outcrop scale observations include flow banding (locally chaotic) and blocky fracture/weathering.

**Unit 2** - Late volcanoclastics – tan, polymictic volcanoclastics and conglomerates. Clasts range up to 2cm and are subrounded to very angular, clast types include felsic lithic fragments, minor intermediate to mafic lithic clasts, feldspar crystals/fragments and locally, angular quartz clasts. This unit rarely outcrops and much of the descriptive data above is from large float blocks. A large outcrop of conglomerate appears to cap the volcanoclastics; these are crudely bedded conglomerates with interbeds of greywacke and grits. Clasts are generally subrounded to very well rounded (Figure 4) and up to 0.6 meters in diameter. Pink clasts with porphyritic feldspar, greenish grey clasts with porphyritic feldspar and flow banded felsic clasts are the dominate clast type in the conglomerates. This conglomerate unit is estimated to be in excess of 50 meters thickness.

**Unit 3** - Late rhyolites to dacites – dark grey to white to pink, flow banded and brecciated rhyolite flows. The unit is commonly aphanitic to porphyritic with feldspar and quartz phenocrysts in varying amounts. Locally, a classic perlite texture is observed giving the rock a pseudo-granular texture. Flows are interbedded with felsic tuffs; clasts are angular and range up to 5cm in size (Figure 4). Clast outlines are only visible on weathered surfaces, on fresh surfaces clast boundaries are diffuse and difficult to identify. Tuffs are commonly very hard and silicified.

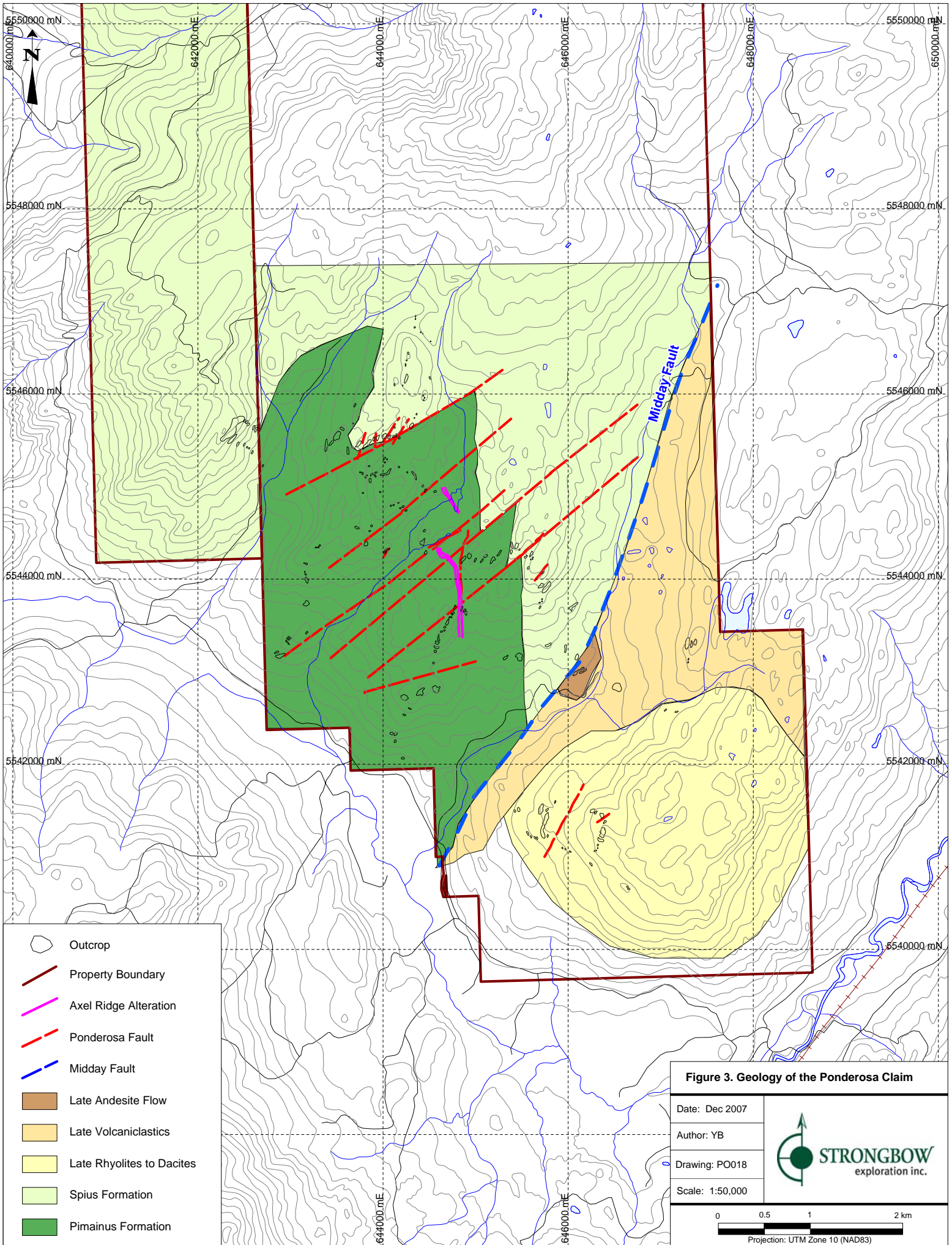
**Unit 4** - Spius Formation – brown to brownish grey, green and reddish grey to maroon andesitic flow and flow breccias (Figure 5); predominantly amygdaloidal, up to 30%, 0.5 – 2cm calcite and /or chlorite filled amygdules, amygdules commonly elongated. Occasionally the Spius is porphyritic, with 2-4mm feldspar. Outcrop scale observations include meter scale massive aphanitic flow units, alternating with green and maroon, amygdaloidal rich flows and flow breccias. Flow breccias commonly have cm scale, irregular, patches of calcite. Outcrops of this unit are low and rounded, commonly friable producing a granular soil around and down slope.











**Unit 5** - Pimainus Formation – greenish grey to bluish grey, dense, andesitic flows. Commonly porphyritic with up to 30%, 2-5 mm, subhedral to euhedral feldspar and 10% combined hornblende/pyroxene phenocryst. Pyroxenes are commonly red due to eddingsite alteration. Occasionally, flows have a massive fine grain sugary texture with diffuse phenocryst. Locally, a fine grained, trachytic texture has been observed. Outcrop scale observations include a highly jointed, blocky weathering and occasional subtle flow banding. Amygdules are generally rare but do occur in 10 cm scale layers within the flow, they are generally calcite filled and comprise < 5% of the rock.



**Figure 4** – (Left) Very well rounded clast in Unit 2 conglomerate. (Right) Hard, siliceous rhyolitic tuff (Unit 3).

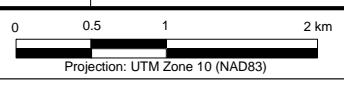
Units 1 to 3 belong to the Eocene Princeton/Kamloops Group to the southeast, whereas Units 4 and 5 belong to the Cretaceous Spences Bridge Group to the northwest. These two groups are separated by the northeast–southwest trending Midday Fault (Figure 3). The Pimainus Formation andesite flows host the Axel Ridge mineralization. Maroon to green, amygdaloidal rich, andesite flows and flow breccias of the Spius Formation (Unit 4) are found approximately 0.5km to the east of the Axel Ridge magnetic low (Section 4.2). The transition from the blocky, massive flows of the Pimainus Formation to the amygdaloidal flows of the Spius Formation is abrupt and may represent an early north – south normal fault where the eastern block has been down dropped. At this point, no field observations confirming a fault contact have been documented; therefore the transition has been marked as an inferred contact (Figure 3).



-  Outcrop
-  Property Boundary
-  Axel Ridge Alteration
-  Ponderosa Fault
-  Midday Fault
-  Late Andesite Flow
-  Late Volcaniclastics
-  Late Rhyolites to Dacites
-  Spius Formation
-  Pimainus Formation

**Figure 3. Geology of the Ponderosa Claim**

Date: Dec 2007  
 Author: YB  
 Drawing: PO018  
 Scale: 1:50,000







**Figure 5** – (Left) Typical Spius Formation (Unit 4) with alternating green and maroon flows as well as oxidized flow breccias. White specks in center of photo are calcite filled amygdules. (Right) Calcite slickensides with sub-horizontal striations.

The Axel Ridge trend of mineralization and Pimainus-Spius contact have been offset by a series of northeast-southwest trending sinistral strike-slip faults (Figure 3). Displacement along these faults ranges from a meter to as much as a kilometer. These faults clearly postdate mineralization at Axel Ridge and may be related to the Midday Fault to the south. It must be noted that Almaden’s mapping of the Axel Ridge trend suggests a dextral offset rather than the sinistral offset that has been recently mapped along the Pimainus-Spius contact (Leatherman, 2007).

The location of the Pimainus-Spius contact has proved to be an important geological marker within the Spences Bridge belt. Exploration conducted by Strongbow Exploration on the Skoonka Creek Property (situated approximately 50km to the northwest) in 2006 and 2007 has defined a link between this contact, be it sharp or gradational, and epithermal quartz vein hosted gold mineralization. On Skoonka, most of the mineralization identified occurs 100-300m stratigraphically below this contact, within the Pimainus formation. Strongbow has used this surface as a key regional exploration tool and has interpreted that this is the ancient paleosurface that could have acted to control boiling depths of ascending hydrothermal fluids. Mapping on Ponderosa focused on identifying this contact and relating it to known mineralization. As indicated on Figure 3, the Axel Ridge Zone is spatially associated with this contact. Without further mapping it is unknown at this point what the exact stratigraphic distance mineralization has with respect to the Pimainus-Spius contact.

Units 1 to 3 occur southeast of the Midday Fault and are atypical of the Spences Bridge Group. For instance, the andesite flow of Unit 1 contains euhedral books of biotite which occur with plagioclase, hornblende and minor quartz. Since biotite has never been observed within the Spences Bridge Group, this unit is thought to possibly belong to the Eocene Princeton/Kamloops Group (Leatherman, 2007). In addition, felsic volcanoclastics and conglomerates of Unit 2 are atypical of the Spences Bridge Group due to the abundance of intermediate to felsic clasts. The most abundant clast type in the conglomerate is pink, feldspar porphyry. Similar volcanoclastics, located beneath the conglomerates, have been observed on the eastern portion of the Shovelnose property.

The rhyolitic to dacitic flows, flow breccias and tuffs of Unit 3 are very similar to the felsic lithologies mapped on the Shovelnose Property, approximately 20km SSE of Ponderosa (Map 1). The current interpretation for the Shovelnose felsic lithologies is that they represent phreatic breccias, talus breccias', tuffs and flows related with one, or more likely, a cluster of rhyolitic domes that post date the Spences Bridge Formation. This interpretation coincides with the preliminary mapping at the Ponderosa property where rocks southeast of the Midday Fault have been interpreted to be younger than the Spences Bridge Group. Therefore, Unit 3 on Ponderosa may represent a rhyolitic dome similar to that of the Shovelnose property (Leatherman, 2007).

### ***2.3 Inn Property Geology, Alteration and Mineralization***

Limited mapping was conducted on the Inn property during the 2007 field season. This mapping was restricted to a few outcrops on the eastern margin of the Inn property at the Inn and Ponderosa border. This mapping concurs with Stewart's 2006 findings; the outcrops were assigned to the Spius Formation (Figure 3). The Inn property is interpreted to be underlain by the Spius Formation because the rocks display massive, aphanitic andesite to basalt volcanic rocks with localized autobreccia sections (Stewart, 2006). There is weak chlorite alteration present as chalcedonic amygdules and fracture infill. To date, no significant mineralization has been discovered on the Inn property.

## **3.0 GEOCHEMISTRY**

### ***3.1 Introduction***

Prior to the 2007 field season; 3 silt, 1170 soil and 85 rock samples were collected and analyzed from Ponderosa by Almaden Minerals post acquisition (2005 & 2006). Based on these results, mechanical trench sampling and reconnaissance prospecting were carried out on the Ponderosa property during the 2007 field season. In total, 194 trench and 22 reconnaissance samples were collected on the property in August. Following a successful summer program Strongbow commenced drilling on the property in September/October. A further 12 reconnaissance and 288 core samples were collected in this phase. Map 2 shows all silt, soil and rock samples collected from the Ponderosa property. Map 3 thematically displays significant gold values based on Strongbow's percentile breakdown of Au from Spences Bridge. Strongbow's 2007 samples are differentiated from historic data by displaying a 5 digit numeric code. Following, Section 3.2 will describe the sampling and assay procedures, Section 3.3 discusses the quality assurance/quality control procedures adopted for the 2007 field program and 3.4 will summarize reconnaissance prospecting and results obtained.

### ***3.2 Sampling and Assay Procedures***

Each rock (prospecting) sample location is marked with a representative sample, wrapped with orange flagging tape that contains the assigned sample number. Individual float and



rock samples weigh no more than 5kg. Rock samples were collected such that the specimens had little to no weathered surface or lichen and represented the overall characteristics of mineralization from that location. In places where rock material is rare or difficult to liberate, chip samples are taken to represent the zone of interest.

Acme Analytical Laboratories of Vancouver, BC, was contracted to conduct sample preparation and analysis of all samples collected during the program. All samples were submitted for a 36-element ICP-MS aqua regia analysis (Acme: 1DX). For rock samples that returned greater than 100ppb gold, the pulp was reanalyzed using the Au fire assay with ES (Acme: 3B) or gravimetric finish (Acme: 6) depending on the grade of the original ICP result (i.e. a sample with greater than 8 g/t Au ICP was re-analyzed using gravimetric finish). A detailed explanation of analytical techniques and procedures has been compiled in Appendix I. The certificates for the standards used for the Quality control procedures are also included in Appendix I. Lab certificates showing complete results for geochemical analyses for rock and drill core samples are included in Appendix II. Sample descriptions with results are presented in Appendix III.

### ***3.3 Quality Control Measures***

Quality assurance/quality control (QA/QC) for the 2007 field program comprised inserting blanks, field duplicates, and standards into the sample stream sent to Acme Analytical Laboratories in Vancouver, BC. QA/QC samples were inserted into the surface rock sampling sequence with field duplicates collected every 50 samples, blanks inserted at the 1<sup>st</sup>, 31<sup>st</sup>, 61<sup>st</sup>, and 91<sup>st</sup> sample of each 100-sample series, and pre-packaged standards purchased from Analytical Solutions were inserted every 25 samples. Blanks were inserted to monitor for potential contamination during analysis, duplicates were inserted as a measure of reproducibility and precision of data, while standards measure the precision and accuracy of Acme's analysis.

To date no failures have been observed from Acme's sample analyses. Failures are identified on the basis of 1) any standard value that fire assays greater than three standard deviations from the expected value; or 2) any two standard values in the same client shipment with fire assays values greater than two standard values from the expected value. If a type (1) failure is observed, then the specific 33 sample Acme batch that contains the standard would have been reanalyzed. If a type (2) failure is observed, then the entire shipment would have been reanalyzed. For blanks, any value greater than 10 ppb is interpreted to indicate contamination. Results from any re-analysis of the pulps are used to replace the original failed sample data in the database

### ***3.4 Reconnaissance Sampling***

Regional reconnaissance sampling in Strongbow's 2007 program was generally restricted to the southern half of the Ponderosa property, beyond the extent of the main Axel Ridge trend. A total of 34 rock samples, comprising both outcrop and float material, have been

collected from reconnaissance prospecting outside to the north and west of the Axel Ridge zone, respectively (Map 2). Weakly anomalous gold values, <570ppb, were obtained from quartz rich float material in the vicinity of known occurrences. No potential outcrops displaying mineralization were identified and there were no observed trends in pathfinder elements from the samples collected during the program. No soil or silt samples were collected in the reconnaissance program by Strongbow.

Work on the Inn property remains virtually unchanged from Strongbow's 2006: Inn Assessment Report (Stewart, 2006). No reconnaissance sampling was conducted on Strongbow's Inn property during the 2007 field season.

## **4.0 GEOPHYSICS**

### ***4.1 Ground Magnetic Survey***

Strongbow completed a **6.78 line-kilometre** ground magnetic survey over the Axel Ridge trend in August of 2007 in order to evaluate the magnetic signature associated with the main Axel Ridge showing and to identify the trend's potential north and south-trending extension. The Pimainus flows and tuffs that host the quartz vein mineralization are typically moderately to strongly magnetic and therefore are in contrast with the non-magnetic quartz veins. The magnetic survey was also conducted to recognize cross structures that could act as offsets to the generally north-south trend in mineralization.

The system used for the surveys is a GSM-19 Overhauser magnetometer-gradiometer system, version 6. Magnetic data was collected along east-west lines at 5m intervals, a frequency range of 15 to 30 kHz, and a 0.1% resolution. The vertical in-phase and out-of-phase components are measured as a percentage of the total field magnetic signature. The horizontal fields are measured in two relative components, along with the absolute amplitude of the total field. The survey data was processed and compiled by Martin St. Pierre, a geophysical consultant. Raw data files for the geophysical survey are included in Appendix IV.

### ***4.2 Interpretation***

The Axel Ridge showing, identified in trenches PT06-01, 02 & 04 (Section 5.2), appears coincident with the northern extent of a linear **170m** long north-south magnetic low in the southern portion of the survey area (Map 4). Here the magnetic low approximately follows the 644800E line. Between PT07-04 and PT07-02 there is a north-west flexure in the magnetic low as it shifts **170m** west along the 5544200 N line. After this shift, the magnetic low continues its northward trend along 644600E to the 5544600N line, approximately **450m**, where the magnetic low signal becomes poorly defined. The mineralized zone in PT07-05 is located adjacent this magnetic low approximately at 554400N. Zones of mineralization appear to be localized along the transitional margins of magnetic lows. Structurally, the magnetic highs on the map are following northeast to southwest trends (Map 4). This orientation seems to support the proposed fault

orientations observed in outcrop (Figure 3). The abrupt offset in the magnetic low by Axel Ridge, described above, may be fault related as there is a magnetic high trend adjacent to the showing in the north-east (Map 4).

## **5.0 TRENCHING**

### ***5.1 Trenching Overview***

In October 2005 and June and September 2006, Almaden completed a series of manual test-pits and trenches that uncovered the Axel Ridge Showing. In August 2007, following the completion of a ground magnetic survey, Strongbow commenced work on a series of trenches in the area of the Axel Ridge Showing, as well as along the magnetic low trend in an area situated approximately 275m to the NNW of the main showing (Map 3). This trenching was completed in order to define the overall geometry of the zone of mineralization and style of veining and alteration. A total of **193 chip** and **1 grab** sample were collected over 5 trenches during the 2007 program (Table 3). Sections 5.2 and 5.3 will discuss and interpret the geology and assay results of the trenches in detail. Unless otherwise stated, the trenches are described moving from west to east. Trench location, lithology, structure and assay values may be viewed in Maps 5 & 6. Strongbow's trench samples are displayed with a circle to differentiate from Almaden's samples which are marked with a star.

### ***5.2 Trenching Description***

Strongbow contracted Midday Cattle Company to mechanically excavate a total of five trenches: three in the Axel Ridge Zone (PT07-01, 02 and 04) and two trenches approximately 275m NNW of Axel Ridge (PT07-05 and 06), adjacent to Beaver Pond (Map 4). The approximate dimensions of the trenches were 1m width by 1m depth, and depth varied slightly depending on till cover and outcrop exposure. Four of the five trenches are oriented approximately east-northeast across the Axel Ridge Zone. The fifth trench, PT07-06, located furthest to the north is oriented in a north-westerly direction due to local changes in veining orientation. Trenches PT07-01 and 02 are extensions of Almaden's manually excavated trenches PT06-01 and 02, respectively. No new work by Strongbow has been conducted on Almaden's PT06-03 or the test pit PT06-04; PT07-04 represents a newly excavated trench. Intervals sampled by Almaden in 2006 were not re-sampled by Strongbow. Table 3 shows the details of each trench completed on the property between 2005 and 2007. See Almaden's 2006 Ponderosa assessment report to view details of previous trenching.

Following excavation with the track-hoe, trenches were exposed with picks and shovels to allow for detailed mapping (1:5m) of lithologies, structures, style of veining, mineralization, and associated alteration. Following mapping, chip sampling intervals were laid out based on changes in lithology, mineralization, and alteration along the length of each trench.

**Table 3: 2005 - 2007 Summary of hand and mechanized trenches in Ponderosa.**

Trench No.	Company	Total Length (m)	Overall Vein Orientation	Trench Orientation	# Rock Samples
PT05-01 (test pit)	Almaden	7.5	-	-	1-grab
PT05-02 (test pit)	Almaden	-	-	-	1-grab
PT06-01	Almaden	17.15	-	East - NE	12-chnl 1-grab
PT06-02	Almaden	12.4	-	East - NE	10-chnl 1-grab
PT06-03	Almaden	6.7	-	East - NE	7-chnl
PT06-04 (test pit)	Almaden	6.0	-	-	1-grab
<b>PT07-01</b>	<i>Strongbow</i>	<b>47</b>	<b>117/12: SW</b>	East - NE	<b>33-chip</b>
<b>PT07-02</b>	<i>Strongbow</i>	<b>48</b>	<b>109/12: S</b>	East - NE	<b>37-chip</b>
<b>PT07-04</b>	<i>Strongbow</i>	<b>38</b>	<b>112/64: SW</b>	East - NE	<b>40-chip</b>
<b>PT07-05</b>	<i>Strongbow</i>	<b>61</b>	<b>098/84: S</b>	East - NE	<b>63-chip 1-grab</b>
<b>PT07-06</b>	<i>Strongbow</i>	<b>19</b>	<b>045/90: Vert</b>	NW	<b>20-chip</b>
		<b>Total Length (SBW): = 213m</b>		<b>Almaden Samples: 34 SBW Samples: 194</b>	

### 5.2.1 PT07-01

Trench PT07-01 represents the east and west extensions of Almaden's PT06-01 trench. This trench has a total length of **47m**, includes both Strongbow and Almaden's excavations (Map 5).

Excavating to the west was limited by a rapid increase in elevation, therefore only 6m of bedrock was uncovered in that direction. Within the 6m, outcrop is represented by weakly silicified andesite with 1% phyrlic plagioclase (< 2mm) as hanging wall to mineralization. East of this andesite there is 11.7m of the Axel Ridge showing, highly siliceous epithermal banded quartz vein with cryptocrystalline and vein brecciation textures (Balon, 2006). Sampling of veining and alteration within this trench, 2006, returned a composite gold value of **2.22 g/t over 11.7m**. Measurements taken of the vein, by Strongbow, indicated an orientation of **117/12**, dipping to the south-west. Approximately 0.5m of altered andesite flow breccia, with a weak silica matrix, is present at the eastern margin of the mineralized zone. The eastern extension of the trench is dominated by altered andesite flow displaying weak limonite, hematite and chlorite textures with less than 1% plagioclase and hornblende phenocrysts with localized intervals of andesite flow breccia.

Upon excavating the trench it was found that the eastern boundary of the mineralized zone has a shallow dip to the west and could not be extended. Assay results confirm that the mineralized zone is confined to Almaden's 11.7m interval as no significant values were obtained from the extensions.

### 5.2.2 PT07-02

This trench is an east to north-east extension of Almaden's PT06-02 and is located approximately 57m along strike to the NNW of PT07-01 (Map 5). This trench is **48m** in length, includes Strongbow and Almaden's excavations.

Through excavating PT07-02 Strongbow was able to extend Almaden's mineralized zone by 4m beyond the western margin of the historic trench. Again, trenching to the west was limited due to the uphill topography. The geology of the western section is dominated by altered andesite and overburden. Strongbow's 4m extension of the mineralized zone is similar to the preceding 10m zone described by Almaden; massive to cryptocrystalline quartz with light grey banding, multiple interfingering veins and clasts of brecciated andesite, as well as quartz. The overall orientation of this vein strikes **109 and dips 12<sup>0</sup>** to the south. To the east of the zone there is a breccia with both andesite and quartz clasts in a strongly silicified matrix with >1% coarse grained euhedral pyrite. The remaining eastern portion of the trench is dominated by coherent chlorite and limonite altered andesite flow with phyrlic hornblende (1-2%). Intermittent andesite flow breccias are found locally through this section. Approximately 17m east of the zone there is a 4m interval of pervasively silicified andesite with >3% coarse grained subhedral pyrite. Assays denote this section as non-anomalous.

Almaden's 2006 gold results from the quartz veins occurring in PT06-02, average of pulp and reject assays, returned a weighted gold average of **1.50 g/t over 10.0m**. When these results were combined and averaged with Strongbow's 4m western extension (Note: only using fire assay values) the value increased to **1.92 g/t Au over 14.0m**. A subsection with better grade from Strongbow's extension, 1m west of Almaden's zone, gives **5.53 g/t Au over 2m**. This increase in grade has been attributed to the presence of small, ~1mm, irregular bands of a dark mineral believed to be magnetite.

### 5.2.3 PT07-04

PT07-04 is an east to north-east Strongbow trench that is situated approximately 33m NNW of the Axel Ridge showing in PT07-01. PT07-04 represents a new trench excavated by Strongbow and should not be confused with Almaden's PT06-04 (test pit). This trench is **38m** long and is described below from west to northeast (Map 5).

The western section of PT07-04, 0–6m, is underlain by altered andesite flow with plagioclase and hornblende phenocrysts, 1%. Localized sections within the andesite flow contain chlorite and carbonate-filled amygdules, <1.5mm. To the east there is a 2m zone of breccia with andesite and quartz clasts in a silica/carbonate matrix with local ankerite. The breccia is adjacent to a 2m wide mineralized zone with irregular, meandering, banded magnetite, <1mm, and quartz veins, <8mm, in a siliceous matrix. The veins within this zone are striking **112 and dip 64<sup>0</sup> to the southwest**. The eastern margin of this mineralized zone dips steeply to the west resulting in a 2m interval of the trench that did not reach bedrock. East of this overburden in bedrock the trench exposes altered coherent andesite flow, with localized andesite breccia zones, that continues to the eastern margin of the trench. A small andesite breccia subsection within this flow at 28.5m, 1.5m width, appeared promising during mapping but failed to produce anomalous

results. It was an andesite breccia with 20% quartz veins, <5mm, in a silica matrix with 1-2% disseminated pyrite, <1mm.

Assay results from PT07-04 returned a weighted average of **1.05 g/t Au over the 4m** interval that includes the breccia and siliceous zones in the eastern portion of the trench. The 2m interval that is comprised of an irregular network of quartz veins returned slightly better grades of **1.68 g/t Au over 2m**.

#### **5.2.4 PT07-05**

PT07-05 was excavated approximately 275m to the NNW of the Axel Ridge Showing, adjacent to Beaver Pond (Map 6). This trench is **61m** in length and was positioned to uncover the source of the abundant quartz float present in the area and to test the coincident north-trending Axel Ridge multi-element trend and the magnetic low anomaly (Map 4).

PT07-05 uncovered approximately 26m of bedrock in the western portion of the trench. Generally speaking, this rock consists of amygdaloidal andesite flow with localized breccia zones, fault gouge, and varying percentages of quartz veins. Between 0-26m assay results from PT07-05 returned a weighted average of **0.80 g/t Au over 25m** (1m was not assayed due to overburden cover). Sections with better grades within the interval include **5.98 g/t Au over 1.5 m**, 4.5 to 6.0m. This higher grade interval contains chlorite and silica altered andesite with approximately 40% irregular quartz veins, 1-8cm, and 3-4% mafics, believed to be magnetite. The main zone of quartz veining observed in PT07-05 occurred between 21-27m where there is a white to grey, opaque, cryptocrystalline quartz vein, with <1mm black bands, composing 90% of the interval. The orientation of this vein strikes **098 and dips 84° to the south**. Assay results denote this section as having a grade of **1.06 g/t Au over 4m** (20-24m). Between 26 - 31m there is a combination of overburden and breccia containing quartz clasts (no bedrock therefore no sampling). This is followed by an interpreted vertical fault zone, 31-42m. Quartz fragments are abundant within this pervasively argillic and chlorite altered interval with >2% weathered pyrite pits. Assays returned values of **0.23 g/t Au over a 13m interval** of the fault gouge between 27-40m. The eastern portion of this trench is comprised of a combination of non-anomalous overburden and intense clay altered andesite. An attempt was made to excavate further to the east, to uncover a potential vein striking from PT07-06, however the overburden cover was deemed to be thick.

The overall weighted average of anomalous samples in the western section of PT07-05 has a value of **0.60 g/t over 38m**, 0-40m. Two metres of the eastern portion was not sampled due to overburden cover.

#### **5.2.5 PT07-06**

PT07-06 is a north-west/south-east trench that was excavated adjacent to PT07-05 near Beaver Pond (Map 6). This trench is **19m** in length and was excavated in an area that presented abundant quartz float on surface.

Describing the trench from northwest to southeast, from 0-3m, the composition comprised of weakly silicified andesite with 1-2% hornblende phenocrysts. This is followed by a 3m mineralized zone of massive, cryptocrystalline quartz. Quartz comprises approximately 95-100% of this interval and shows signs of multiple flooding events. There are brecciated smaller veins within the main vein, diffuse andesite clasts, minor banding and trace amounts of fine-grained disseminated pyrite present. The orientation of the quartz veins strike **045 and dip 90<sup>0</sup>** to the southeast. This zone is followed by approximately 13m of highly fractured, grey-green andesite flow with 1-2% of phyric hornblende phenocrysts. A fault zone is present at approximately 14m; it is striking **216 and dips 64<sup>0</sup>** to the west.

Assays from this trench returned an overall weighted average of **1.24 g/t Au over 4m** (2-6m trench interval). This interval includes the mineralized zones and the silicified andesite at its margins. A slighter better grade of **1.78 g/t Au over 2m** (3-5m) was returned from the vein zone.

### ***5.3 Trench Interpretation***

Anomalous results from chip sampling along trenches at the Axel Ridge Showing define a NNW trend of mineralization on surface. This orientation is supported by a coincident linear magnetic low and multi-element geochemical trend. However, measured vein orientations within trenches PT07-01, 02 and 04 indicate an approximate east-southeast strike. PT07-01 and 02 indicate shallow vein dips, (12°) south-west, whereas PT07-04 indicates a steep dip (64°) to the south-southwest. The vein measurements in PT07-05 & PT07-06 are different from those of Axel Ridge: strike varies from northeast to east and the dips are near vertical, 84° south in PT07-05 and 90° in PT07-06. These vein orientations contradict the overall NNW strike of anomalous mineralization zones observed on surface. This being said, the NNW strike continuity of approximately 275m between PT07-01 and PT07-05 could not be ignored (Map 4).

## **6.0 DRILLING**

### ***6.1 Drilling Overview***

Six exploration holes (PD07-01 to PD07-06), totalling **960.72m** of drilling, were completed between September 29 and October 20, 2007 on the Ponderosa property (Map 4). Three of these holes were positioned to the west of the Axel Ridge Showing (PD07-01 – PD07-03), two holes to the east of the showing (PD07-04 & PD07-05), and one hole (PD07-06) to the north-west, east of trench PT07-05 by Beaver Pond.

The main focus of the drilling program in Ponderosa was to test the depth and lateral extent of banded epithermal quartz veins and breccias of the Axel Ridge showing. Initial drill hole planning was a challenge as quartz vein orientations measured on surface were



not consistent. However, the overall strike observed on surface is NNW and the most common vein orientation had a moderate westerly dip. As a result, the first three holes, PD07-01 to PD07-03 were positioned west of the trenches and drilled eastwards. Due to a lack of veining in the first three holes, two additional holes, PD07-04 & PD07-05, were drilled from the east to the west across the Axel Ridge Showing to test any conjugate or sheeted veins that have an easterly dip. PD07-06 was positioned by Beaver Pond and drilled to the west to test the depth extent of the mineralization zone in PT07-05 and PT07-06. All holes drilled during the fall program were drilled to a depth that tested potential vertical dipping vein geometry.

Foraco-Connors Drilling (Foraco) from Kamloops B.C., was contracted to supply drilling services for the 2007 program. Foraco provided a skid-mounted road drilling rig, a modified hydraulic-powered Boyles 30A. All coring was completed utilizing NQ2 diameter drill rods (core size diameter: 50.5mm) and the drill crew consisted of two drillers and two helpers. Supervision was administered by the day shift driller who acted as the runner-foreman. A flat bed truck and a D6 Caterpillar tractor, provided by Lor-Wes Ltd., were used to transport drill equipment from Strongbow's Skoonka Creek property to Ponderosa. The same D6 Caterpillar was used to; create road paths prior to drill mobilization, level off drill pads, create sumps for drainage water, and to level off disturbed areas following completion of drilling. The drilling program was supervised by David Gale, P.Geo. (BC). Accommodations for the program were provided at the Douglas Motel, located in Merritt.

Prior to the start of drilling for each hole, the geologist was present to line up the drill with the sighting stakes. The geologist remained there until the head of the drill was ready to be set to confirm the correct dip for the hole. Upon completion, each drill hole location was marked with a wooden stake constructed from dead fall in the area. At least 30cm of the top portion of the stake was spray painted orange and labelled twice with dymo labels indicating the hole number. No casing was left in the hole and all garbage was collected and deposited at the local Merritt dump facility. Grass seed were dispersed onto drill sites to generate new vegetation growth. Subsequent UTM coordinates (NAD 83, Zone 10) were determined using a hand held GPS, which rendered fluctuations in accuracy that ranged from +/- 4m to +/- 8m.

The primary downhole survey instrument used during the program is a Reflex Maxibor II tool rented from Westcoast Drilling Supplies. The Maxibor calculates the spatial coordinates along the drillhole path based on optical measurements of direction changes and gravimetric measurements of dip changes, and was used due to the variable magnetic properties of the host volcanics. When the equipment malfunctioned (PD07-01, 02 & 05), the drillers used the Reflex Ez-shot tool to measure the azimuth and dip at predefined intervals of low magnetivity. The Ez-shot tool was provided by Foraco Drilling.

At the end of each shift, core boxes were transported by an ATV or truck from the drill site to the logging facility, which was a temporary shelter located approximately 30m west of PD07-04, UTM 5544166N/644795E (NAD 83, Zone 10), adjacent to the Ponderosa logging road. Geotechnical logging was conducted for all drill holes of the

programs to ensure the accuracy of the run marker placement and note any significant core loss. Geotechnical data was recorded on an excel spreadsheet that also included the geological log and sample list. In general, core recovery is variable, where poor recovery corresponds with highly faulted zones and good recovery corresponds with moderately to slightly fractured zones. Geological logging followed geotechnical logging and involved the description of lithology, texture and structure, alteration, mineralization and veining. All drill core was digitally photographed before the core was split. Splitting was done with a manual splitter rented from IRL Supplies in Prince George, BC or with a diamond saw located at the Skoonka Creek logging site. Most zones of significant veining were split using a diamond saw in order to ensure that exact half (or quarter) cores were sampled. For the core that remained on the property, the boxes were cross stacked on logs outside the logging facility and the top rows sealed with core box lids to keep out snow and debris.

## 6.2 Drill Log Description

Drill holes for the 2007 program were named consecutively based on the order in which they were drilled. The following table, Table 4, summaries the location, orientation and depth of each drill hole. Drill hole locations were generally positioned east or west of anomalous values returned from trench chip-samples.

**Table 4: Summary of Drill Hole Location, Elevation, Depth, Azimuth and Dip for 2007 program.**

Hole #	Diff GPS Location UTM Zone 10, NAD 83		Elevation (m)	Depth (m)	Dip	Azimuth
	Easting	Northing				
PD07-01	0644701	5544148	1202	133.20	-60	090
PD07-02	0644676	5544085	1192	200.25	-45	090
PD07-03	0644671	5544198	1181	154.53	-45	090
PD07-04	0644825	5544166	1180	163.68	-45	270
PD07-05	0644808	5544207	1184	154.53	-45	270
PD07-06	0644693	5544380	1133	154.53	-45	262

### 6.2.1 PD07-01

Section L4150 N

PD07-01 was drilled at a 090 azimuth and -60° dip (Map 9) to test the depth extent of the zone of mineralization exposed in trench PT06-01/PT07-01 (Maps 5).

This drillhole predominately intersected andesite flow. The andesite was generally massive from 3.05–31.81m; however weak to moderate alteration was present in localized areas throughout this interval. The dominant alteration types present in this hole, as well as the following holes include; chlorite, carbonate, hematite and minor clay.

These alteration types display a wide range of styles and textures; amygdules, blebs, clots, veins, fractures, etc. The andesite also exhibits a fine-grained sugary texture of feldspar phenocrysts and localized zones of flow breccia that contains carbonate and trace silica matrix infill, 31.81–117.60m. From 117.60–133.20m the andesite becomes massive and is weakly chlorite and hematite altered. Coarse grained euhedral pyrite is also found throughout the hole and has an average of 5% in the interval between 32.40 – 133.20 m.

The main geologic zone of interest in this hole is found between massive andesite flows at 31.81 – 32.40m where there is an andesite breccia with a moderate silica matrix, as well as mm scale carbonate/silica veins. It was initially believed that this zone could prove significant as it was estimated, prior to drilling, the hole would intersect the mineralized zone of PT06-01, given a vein dip of 15<sup>0</sup>, approximately between 31.50 – 35m.

No significant gold values were obtained from PD07-01. However, analysis of pathfinder elements shows weakly elevated levels of arsenic and mercury, 70<sup>th</sup> percentile, between 32.4 - 33.4m in a transitional interval changing from an andesite breccia to altered andesite flow with no observed silica.

## **6.2.2 PD07-02**

### Section L4100N

The aim of PD07-02 was to extend the southern strike of the Axel Ridge showing, at depth, by at least 50 meters (Map 5). PD07-02 was drilled at an azimuth of 090 and -45° dip (Maps 7 & 8).

This hole is similar to PD07-01; it consists of weak to moderately altered andesite flow with alternating blebby amygdules, sugary feldspar phenocrysts, and localized flow breccias that are carbonate dominated. As in the other drill holes, these alteration textures display a wide range of thicknesses and generally have gradational contacts. A new alteration texture present in PD07-02 is being defined as an andesite pseudo-breccia. This texture is defined by chlorite and hematite alteration of the andesite, in such a way as to give the rock an appearance of being fragmental. The pseudo-breccia alteration texture is present in localized sections throughout PD07-02 with thickness ranging from the meter range to tens of meters. Coarse grained euhedral pyrite is also found in localized sections throughout the hole. Between 101.08 - 200.25m its percentages range from 1-5%.

Silica alteration is present in trace to weak quantities between 48.90 – 59.60m where it occurs as patches and blebs in the andesite. In an andesite fault gouge, 48.90 – 50.00m, there are quartz veins present however they are less than 1 mm in thickness, exhibit a chaotic geometry, and are carbonate dominated.

Weakly anomalous gold values were obtained from seemingly uncorrelated intervals. **26.8 ppb** Au was obtained in a section of altered andesite with trace amounts of patchy

silica between 68.2 – 69.7m and **15.5 ppb** Au between 134.5 – 136m from feldspar-phyric andesite flow with no observed silica alteration. Elevated levels, 70<sup>th</sup> percentile, of the pathfinder elements arsenic and mercury were obtained from an andesite fault gouge between 48.9 – 50m.

### 6.2.3 PD07-03

Section L4200 N

The aim of PD07-03 was to extend the northern strike of the Axel Ridge showing (Map 5), at depth, by at least 50m. PD07-03 was given an azimuth of 090 and a dip of -45° (Map 10). It was positioned west of PT07-02 and PT06-03.

The top of hole PD07-03 shows a similar lithology to that of the PD07-01 and 02. Andesite flow is the dominant rock type with variable; massive, sugary fine-grained feldspar-phyric, blebby amygdules, or pseudo-breccia alteration and intermittent volcanoclastic units. This gradational variation between individual flows occurs on the meter scale. The andesite flow in this hole is moderately altered; chlorite, carbonate, and clay dominated andesite fault gouges are more prevalent here than in PD07-01 and -02. A distinct unit of lapilli sized, 4-64mm, volcanoclastics with a weak to moderate clay and hematite matrix is present from 116.00 – 154.53m. This unit is generally matrix supported with polymictic, moderately sorted sub-angular clasts. With the exclusion of the volcanoclastics, coarse grained euhedral pyrite is found in localized areas throughout the hole.

Weak patchy silica was found in localized sections throughout the altered andesite flow from 9.00 – 52.36m. Generally speaking, it was believed that the best potential for mineralization lay in a volcanoclastic interval between 17.91 – 18.85m. This polymictic lapilli contained angular andesite and quartz clasts in jig-saw fit with a silica/carbonate matrix as well as trace amounts of fine grained disseminated pyrite, ~2%.

Elevated levels of gold were observed in an andesite fault gouge that followed the described volcanoclastic interval (17.91-18.85m). Two intervals that returned values were **68.2 ppb Au (18.85–20m) and 16.8ppb Au (20-21m)**. These values were obtained from a pervasively clay altered fault gouge that displayed weak amounts of patchy silica and associated disseminated pyrite, ~2%. Elevated levels, 70<sup>th</sup> percentile, of the pathfinder elements arsenic, antimony and mercury were associated with the gold values, as well as with the preceding volcanoclastic interval, 17.94 – 18.85m.

### 6.2.4 PD07-04

Section L4150 N

PD07-04 was positioned to the east of the Axel Ridge showing in PT07-01 (Map 5) and drilled with an azimuth of 270 and a dip of -45° to test possible east dipping veins (Maps 9 & 10).

Generally, the top 40m of PD07-04 is massive andesite flow with weak alteration and contains local sections of blebby, chlorite-dominated amygdules. Moderate alteration, pseudo-breccia alteration textures, andesite fault gouge and andesite flow breccias are prevalent from 40.00–58.62m. From 58.62–123.08m alteration is weak to moderate with dominantly massive and amygdaloidal andesite. 123.08 – 133.45m contains a matrix-supported, moderately sorted lapilli sized volcanoclastic unit in brown clay to red hematite matrix. The rest of the hole, 133.45–163.68m, is andesite flow with a pseudo-breccia alteration texture, blebby chlorite and fine-grained feldspar phenocrysts.

A major zone of veining was intersected in PD07-04 between 51.59–52.71 m. The first segment of this vein, between 51.59 – 52.05 m, is carbonate dominated with minor silica. It is a massive carbonate/silica vein with rounded andesite clasts, ~5 mm in diameter, and a light pink coloured carbonate matrix. Fine-grained disseminated pyrite, ~2%, is found at the upper contact of this vein which has an angle of 27° to core axis. The second segment of this zone, between 52.05–52.37m, is carbonate dominated as well but has a moderate silica matrix. The percentage of andesite clasts decreases here and angular carbonate clasts increase, up to 1cm in size, in a jig-saw fit pattern (Figure 6). The orientation of the bottom contact of this section is 52°.



**Figure 6:** *Left, (52.0 –52.37m) jig-saw fit of carbonate clasts in carbonate/silica matrix. Right, (52.37-52.71m) contact of carbonate and silica matrix of zone, 52° (Segment 3).*

The third segment of this zone (52.37 - 52.71m) is an andesite breccia in a strong silica matrix (Figure 6). It is clast dominated with subangular andesite and silica clasts, less than 3cm in diameter, that define a jig-saw fit texture. A weak carbonate matrix is secondary to the silica. Euhedral coarse grained pyrite is present in trace quantities, <1%.

No significant gold values were obtained from the zone of mineralization described above. An elevated value of gold, **33.8 ppb**, was returned from an insignificant interval of altered andesite flow with a pseudo breccia alteration texture between 155.5–157m.

## 6.2.5 PD07-05

### Section L4200 N

PD07-05 was positioned east of the Axel Ridge Showing of Almaden's trenches; PT06-02 and PT06-03 (Map 5). PD07-05 had an azimuth of 270 and a dip of  $-45^{\circ}$ . It tested for possible east-dipping veins (Map 10).

The top of PD07-05, 4.05–56.00m, consists of moderately altered andesite flow. A pseudo-breccia alteration texture is prevalent as are numerous andesite fault gouges, between 26.68–35.52m. From 56.00–82.51m the andesite generally becomes more massive and less altered. The interval 82.51–113.86m is moderately altered with a number of intermittent fault gouge and pseudo-breccia alterations. A polymictic lapilli volcanoclastic unit is present from 113.86–114.92m. This volcanoclastic unit is followed by a distinct andesite flow unit, 114.92–127.16m, with large subhedral-euhedral feldspar phenocrysts, up to 25% in localized sections. The rest of the hole from 127.16 – 154.53m is made up of moderately chlorite and hematite altered andesite flow with pseudo-breccia textures, fault gouges, and volcanoclastics. Coarse grained euhedral pyrite is found throughout the hole ranging from trace amounts up to 6%.

A potential zone was identified in PD07-05 occurs within fault gouge between 97.65–98.82m. Moderate carbonate flooding with patchy silica alteration dominates the top of the section. Between 98.73–98.82m there is fault gouge with a pervasive, moderate to strong carbonate and argillic matrix. Rounded quartz clasts are present, 2-3 mm, as well as rounded chlorite clasts, 1mm (Figure 7). This section contains approximately 2% euhedral fine-grained pyrite. This interval displays similar characteristics to the third segment of the veined zone found in PD07-04; however there are no distinct traits to link the two segments together. The section from PD07-05 is significantly deeper than PD07-04, over 45m, and the orientations of the contacts,  $86^{\circ}$  vs.  $52^{\circ}$ , does not concur.

No significant gold values or pathfinder elements were obtained from PD07-05.



**Figure 7:** *Rounded quartz and chlorite-altered andesite clasts in a pervasive argillic & carbonate matrix (98.73 – 98.82m).*

## 6.2.6 PD07-06

### Section L4400 N

PD07-06 was located northwest of the Axel Ridge Showing and targeted anomalous assay results from trenches PT07-05 and PT07-06 (Map 6). PD07-06 was positioned east of these trenches and drilled with an azimuth of 262 and a dip of  $-45^{\circ}$  to test an east to south-easterly dipping vein geometry (Map 11).

The top of PD07-06, from 9.51-33.05m, consists of weak to moderately altered andesite flow with intermittent fault gouge and andesite breccias. Between the interval 33.05–103.92m there is a distinct amygdaloidal andesite flow unit. This unit contains silica, carbonate and chlorite-filled amygdules that are rounded and up to 3cm in size in localized areas. It is believed that this unit is part of the Spius formation. A lapilli clast sized volcanoclastic with pervasive hematite is present between 103.92–106.62m. A zone that looked encouraging during drilling, 106.62–107.17m consists of an andesite flow breccia with a moderate silica matrix. This interval is underlain by a weakly altered andesite flow unit with a pseudo-breccia alteration texture between 107.17–121.40m. The remainder of the hole, 121.40–154.53m, is dominated by weakly chlorite and carbonate altered, massive andesite flow with minor sugary feldspars.

Potential zones of mineralization present in this hole include a breccia of andesite, 26.15-27.32m, which has a moderate silica matrix and secondary carbonate. The interval contains many chaotic carbonate veins, <1mm, which have no preferred orientation. Weak euhedral pyrite is present, ~4%, throughout the section. The second potential zone is separated from the first by an interval of weakly altered andesite flow. This zone,



between 27.95–29.61m, consists of pink-orange coloured, carbonate altered andesite with patchy silica. Silica veining is present, 28.18–28.41m, within the interval and consists of four massive veins that are 1–2cm in thickness with a 1–2cm gap of andesite between veins. The vein orientation is 40° to core axis (Figure 8). A second zone of silica veining within the interval, 29.00–29.12m, presents massive meandering silica veins that are 1–2mm in thickness (Figure 8). Medium grained, euhedral pyrite is present (~5%) throughout the zone.

No significant gold or pathfinder values were returned from PD07-06.



**Figure 8:** (Left) Silica veining in pink-orange, carbonate altered andesite (28.18–28.41m). (Right) Meandering silica vein in pink-orange, carbonate altered andesite (29.00–29.12m).

### 6.3 Drill Log Interpretation

Five drill holes (PD07-01–PD07-05) scissored the Axel Ridge showing from both east and west with one hole, PD07-06, testing the NNW strike of mineralization. None of these holes intersected the banded epithermal quartz veins or the strongly silicified andesite breccias observed in the surface trenches. The negligible values of gold obtained, 68.2 ppb is the highest, as well as pathfinder elements concurs with the interpretation that no significant mineralized zones were intersected in this drill program.

PD07-03 is the only drill hole on the Axel Ridge showing where gold and pathfinder elements could be correlated within defined intervals, as well as within a defined rock type. It is the andesite fault gouge of 18.85–21m where we observe weakly elevated arsenic, antimony and mercury values corresponding to trace gold values see Section 6.2.3.

The interpretation and correlation of drill hole lithologies has proven cumbersome. The drill holes are dominated by altered andesite flows that display a wide range of gradational alteration textures. It is possible to correlate amygdaloidal rich horizons within the flow, however the only distinct lithologic unit reoccurring in multiple holes is

a small segment of lapilli sized volcanoclastics near the bottoms of PD07-04 & 05. The orientation of bedding in these units could not be correlated between the two drill holes. Correlation of the volcanoclastic rocks is further comprised because it was not observed during surface mapping.

It is believed that PD07-01 to PD07-05 have drilled through the andesite flows of the Pimainus Formation. As described in Section 2.2, the andesite contains fine-grained, sugary feldspar phenocrysts in localized sections through all five holes. Also, a distinct flow unit of large euhedral feldspar phenocrysts was intersected in PD07-05, see Section 6.2.5. Sections of amygdules are found throughout the holes but they are distinct from the Spius formation in that they are generally small, blebby and chlorite filled versus large and rounded. Because these rocks occur within massive flows interpreted to be Pimainus, this amygdaloidal unit is interpreted to be part of the Pimainus Formation. The amygdules observed within the andesite flows in hole PD07-06 were larger (up to 3cm) and therefore similar to the Spius rocks situated to the east. This area could be structurally displaced from the rocks to the south and may represent a transition zone between the Pimainus and Spius formations.

## **7.0 INTERPRETATION AND CONCLUSIONS**

The Axel Ridge Zone of the Ponderosa property presented Strongbow with an exciting exploration target in 2007. Previous work conducted by Almaden in 2005 and 2006 had proven that the area could host gold mineralization (Section 5.2). The goal of Strongbow's summer program was to gain a better understanding of the mineralized zones and to place well defined limits on its orientation and dimensions to help stage a drilling exploration program in the fall. It is believed that Strongbow was successful in this endeavour. The 6.78km ground magnetic survey produced a well defined north-south magnetic low, Section 4.2, which appears to be coincident with the mineralized zones in the trenches and the multi-element geochemical data from the soil grid. The trenching program was successful in extending the overall strike of mineralization, as defined by the quartz veining in PT07-05 & 06 by Beaver Pond, by approximately 275m to the NNW. Also, the full extent of the mineralized zones within the Axel Ridge surface trenches were well defined by mechanical trenching; 11.7m in PT07-01, 4m in PT07-04 and 14.0m in PT07-02 (Section 5.2). Mapping of the Axel Ridge trenches produced a variety of vein orientations. The general consensus was that the veins were shallowly dipping 12<sup>0</sup> to the west, almost flat-lying. Based on the overall NNW strike of the showing, combined with anomalous gold values at surface and the ground magnetic anomaly, Strongbow decided it was an acceptable risk to proceed with a drill program in hopes of intersecting the mineralization's root system at depth.

Five holes were drilled in the vicinity of the Axel Ridge showing during the fall, PD07-01 to PD07-05, scissoring the area from both east and west (Section 6.2). No visible zones similar to the Axel Ridge showing were intersected during drilling and with the exception of a few negligible assay results, no significant gold values or pathfinder elements were obtained from the drill program. Drillhole PD07-06 tested the north-

northwest strike extent of the veins, which are exposed at PT07-06 on surface, but failed to intersect any zones of mineralization or elevated gold pathfinder element values.

This report concludes that the Axel Ridge showing has little to no mineralization root system at depth. The mineralization observed on surface must be acting as a pod with shallow roots. The elevated levels of pathfinder elements found in PD07-01 (Section 6.2.1) were observed in an interval that gives a shallow westward vein dip and supports a flat-lying orientation of the veins for the Axel Ridge showing.

It is the opinion of the authors of this report that Strongbow abandon its option in the Ponderosa claims. Strongbow's 2007 drill program has shown that the Axel Ridge showing has little to no mineralization at depth.

A summary of conclusions are as follows:

- The Axel Ridge mineralization is hosted in the massive flows of the Pimainus Formation
- Rocks southeast of the Midday fault are younger than the Spences Bridge Group
- Spius Formation is relatively close to the Axel Ridge Trend.
- Northeast southwest-trending strike slip faults cross-cut the Axel Ridge Trend and the Pimainus/Spius contact east of Axel Ridge.
- Volcaniclastics of Unit 2 and rhyolite tuffs and flows of Unit 3 are analogous with lithologies observed on the Shovelnose property.
- The orientations of the veins of the Axel Ridge showing are very shallow, almost flat-lying.
- The Axel Ridge Showing shows no depth extent and must be acting as a pod of mineralization.

## **8.0 RECOMMENDATIONS**

The following recommendations are proposals for work should further exploration be initiated:

- Property wide:
  - Electromagnetic geophysical survey over the remainder of the Axel Ridge trend, specifically, to fully define the magnetic low trend to the north and south of the primary Axel Ridge Showing.
  - Detailed geological mapping to cover the remainder of the property, focusing primarily on:
    - The north and western margins of the magnetic low
    - The contact between Spius and Pimainus formations
    - Different generations of structures and their control on mineralization
    - Age date one or two lithologies south of the Midday fault

- Focus on understanding the Pimainus/Spius contact (fault or conformable contact?)
- Prospecting:
  - Follow-up of detailed prospecting along the margins of the magnetic low to the north and south of the Axel Ridge showing
- Trenching
  - Trench abundant quartz float on north side of Beaver Pond to identify outcrop
    - Map and chip sample excavated outcrop
    - Try to correlate the trench geology to that observed in the south
  - Trench to the south of the Axel Ridge showing if the trend is proven by an electromagnetic survey to continue southwards.
- Drilling
  - Only test significant targets with moderate-steeply dipping veins.

## 9.0 PERSONNEL AND CONTRACTORS

### List of Contractors

<b>Contractor</b>	<b>Type of Work</b>	<b>Address</b>
Foraco-Connors Drilling	Drilling	2007 West TransCanada Highway, Kamloops, BC A1S 1A7
Lor-Wes Contractor Ltd.	Road Building & Drill Moves	Box 876 Lillooet, BC V0K 1V0
Midday Cattle Company	Trench Excavation	Box 2202, Merritt, B.C V1K 1B8
Martin St. Pierre	Geophysics Interpretation	1382 Deeridge Lane, Coquitlam, BC V3E 1Y7
Enterprise	Truck Rental	Unit 2 - 1250 Granville St. Vancouver, BC V6Z1M4
ACME Analytical Laboratories Ltd.	Geochemical Analysis	852 East Hastings Street Vancouver BC V6A 1R6
Petrascience Consultants	PIMA	70-700, West Pender Street Vancouver, BC V6G 1G9
Analytical Solutions	Pre-packaged QAQC	1214-3266 Young Street, Toronto, ON M4N 2L6
IRL Supplies Ltd.	Core Splitter	610 Richard Rd, Prince George, BC V2K 4L3
Terra Plus	GSM19 – Geophysics Equipment rentals	52 West Beaver Creek Road, Unit 12, Richmond Hill, ON L4B 1L9
West Coast Drilling	Maxibor – Down hole geophysics rentals	8069 River Way, Delta BC, V4G 1L3

## 10.0 STATEMENT OF COSTS

Strongbow Exploration Inc. - Almaden Minerals Ltd.

Summary of Ponderosa-Inn Expenditures

Fieldwork commenced on August 2 and ended on October 20, 2007

Office work started on August 15th, 2007 and was ongoing to January 19th, 2008.

### Salaries and Benefits

#### Strongbow Employees - Salary

	Man Days	Rate per day	Total Cost	Comments
				Man Days are totalled for each person and occur mostly within fieldwork period. Small percentage of time composed of report writing.
Dave Gale	12.63	\$ 700.00	\$ 8,841.00	VP Exploration
Felicia Chang	5	\$ 550.00	\$ 2,750.00	Project Geologist
Lamont Leatherman	13	\$ 474.49	\$ 6,168.43	Contract Geologist
Melanie Kelman	22.09	\$ 334.72	\$ 7,394.03	Contract Geologist
Francis Mitchell	5.325	\$ 278.76	\$ 1,484.42	Contract Geologist
Justin Jackson	30.5	\$ 247.46	\$ 7,547.54	Contract Geologist
Kimberly Schimdt	9	\$ 222.86	\$ 2,005.78	Contract Geologist
Ike Luk	9	\$ 212.05	\$ 1,908.42	Geotechnician/Sampler
Theresa MacMillan	7	\$ 200.56	\$ 1,403.95	Field GIS Technician/Sampler
Matthew Gould	19.5	\$ 199.45	\$ 3,889.34	Geotechnician/Sampler
Alanna Ramsay	1	\$ 189.70	\$ 189.70	Sampler
Kirsten Brown	1	\$ 189.52	\$ 189.52	Sampler
Adrian Smith	3	\$ 178.59	\$ 535.78	Sampler
Reid Stanway	3	\$ 178.51	\$ 535.54	Sampler
Tyler Bourne	7	\$ 177.72	\$ 1,244.03	Sampler
Clayton Glasgow	20.5	\$ 156.02	\$ 3,198.39	Sampler
Julie Paillard	2.75	\$ 300.00	\$ 825.00	GIS Supervisor
Yvonne Bowen	1.94	\$ 300.00	\$ 582.00	GIS Technician
Fion Ma	7.16	\$ 300.00	\$ 2,148.00	GIS Technician
Stephen Gale	4.50	\$ 275.00	\$ 1,236.91	Logistics Manager
Debbie Guilfoyle	3.51	\$ 350.00	\$ 1,228.58	Cook

#### Contract Personnel

Martin St. Pierre	1.29	\$75/hour	\$ 771.87	Geophysical data interpretation
Denise A Lockett	0.26	\$81.25/hour	\$ 165.75	Consultation Services, August
			<b>Total</b>	<b>\$ 56,243.5</b>

#### Drill Program

Core splitting			\$ 394.23	IRL Supplies: Splitter rental
Drilling			\$ 169,225.76	Foraco-Connors Drilling Ltd.: 960.72m of drilling, 6 drill holes (Fall)
Drill, mobilization and demobilization			\$ 16,281.50	Lor Wes Contractors Ltd.
Downhole orientation survey			\$ 6,658.13	Westcoast Drilling Supplies - Equipment Rental
			<b>Total</b>	<b>\$ 192,559.6</b>

#### Surface Program

Ground Geophysics (Magnetics)			\$ 3,270.00	Terraplus Inc.: Walking Magnetometer rental, 20 days
Trenching			\$ 7,500.00	Midday Cattle Company: Excavator use for trenching 213m over 5 trenches
			<b>Total</b>	<b>\$ 10,770.0</b>

#### Geochemical Analysis

ACME Labs			\$ 10,635.53	194 trench rock-chip, 34 rock grab, 288 drill core samples, including 67 samples for blanks, standards, and duplicates
			<b>Total</b>	<b>\$ 10,635.5</b>

#### Accommodation, Travel and Food

			\$ 910.76	Food and Travel Costs
			\$ 686.44	Fuel for Transportation
			\$ 2,256.83	Transportation Rental - Enterprise-Rent-A-Car
			\$ 5,312.35	Accommodations - Douglas Motel
			<b>Total</b>	<b>\$ 9,166.38</b>

#### Communication

			\$ 187.82	Satellite telephone, land telephone, hand-held radios & Courier
			<b>Total</b>	<b>\$ 187.82</b>

#### General Field Supplies

			\$ 3,665.31	Mostly field gear from Deakin Equipment, Home Depot
			<b>Total</b>	<b>\$ 3,665.3</b>

#### Shipments

Sample Shipments			\$ 1,621.93	Greyhound and other couriers: sample shipments from Merritt to ACME (vancouver)
			<b>Total</b>	<b>\$ 1,621.9</b>

#### Maps, photos and Reproductions

			\$ 1,575.34	Digital Map data, lamination costs.
			<b>Total</b>	<b>\$ 1,575.3</b>

Documentation and Report Writing			<b>Total</b>	<b>\$ 3,000.0</b>
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<b>GRAND TOTAL</b>			<b>\$</b>	<b>289,425.91</b>
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## 11.0 STATEMENT OF QUALIFICATIONS

I, Justin Jackson, of Strongbow Exploration Ltd, located 800-625 Howe Street, Vancouver, BC, V6C 2T6, do certify that:

1. I have been conferred with the academic degrees of Bachelor of Science (Dalhousie University, 2007).
2. I have been engaged as a geoscientist in Canada since January 2007 with OSGA (Oil Sands Geological Association), and Shear Minerals Ltd.
3. I am currently employed with Strongbow Exploration Inc. of 800-625 Howe St., Vancouver BC, V6C 2T6.

Dated at Vancouver, British Columbia, this 21<sup>st</sup> day of January, 2008.

*/s/*“Justin Jackson”

Justin Jackson, B.Sc.

I, David F. Gale, of 800-625 Howe Street, Vancouver, BC, V6C 2T6, do certify that:

1. I have been conferred with the academic degrees of Honours Bachelor of Science – Geology (Memorial University, 1994) and Master of Science – Geology (Queen’s University, 1997).
2. I have been engaged as an exploration geologist throughout Canada since 1995 with Cominco, Westmin Resources, BHP Ltd., Homestake Canada Inc., and Barrick Gold Corp.
3. I am a member of the Association of Professional Geoscientists of BC (Member No. 27366).
4. I am currently employed with Strongbow Exploration Inc. of 800-625 Howe Street, Vancouver, BC, V6C 2T6.
5. I certify that to the best of my knowledge the costs listed, and all data presented, were incurred while carrying out exploration work on the Ponderosa Property, BC during 2007.

Dated at Vancouver, British Columbia, this 21<sup>st</sup> day of January, 2008.

*Is/*“David Gale”

David F. Gale, P. Geo., M.Sc.

I, Felicia Y.Y. Chang, of 800-625 Howe St., Vancouver BC, V6C 2T6, do certify that:

1. I have been conferred with the academic degrees of Honours Bachelor of Science – Earth and Ocean Sciences (University of British Columbia, 2000) and Master of Science – Geology (Queen’s University, 2003).
2. I have been engaged as an exploration geologist in Canada since 1999 with Aber Resources Ltd., Navigator Exploration Corp., Miramar Mining Corp., and Stornoway Diamond Corp.
3. I am a member of the Association of Professional Geoscientists of BC (Member No. 144820).
4. I am currently employed with Strongbow Exploration Inc. of 800-625 Howe St., Vancouver BC, V6C 2T6.

Dated at Vancouver, British Columbia, this 21<sup>st</sup> day of January, 2008.

*/s/*“Felicia Chang”

Felicia Y. Chang, P.Geo., M.Sc.

## 12.0 REFERENCES

### **BALON, E.A.**

2007: 2006 Geochemical, geological, prospecting and trenching report on the Ponderosa Property, NTS92I/2,3 and 92H/15, Nicola Mining Division: submitted by Almaden Minerals Ltd., *BC Ministry of Energy and Mines*, AR ?, 27 pages.

2006: 2005 Geochemical, Geological, Prospecting and Trenching Reports,  
- MERIT Property, Nicola Mining Division, BC. (BCGS AR 28006).

### **BRITISH COLUMBIA, MAPPLACE WEBSITE**

<http://webmap.em.gov.bc.ca/mapplace/minpot/bcgs.cfm>

### **CHANG, F. Y., Walsh, J.A. AND DAVE GALE**

2007 : 2006 Prospecting, Mapping, Geochemistry, Geophysics and Drilling Report, Skoonka Creek Property, NTS: 92I/5, Kamloops Mining Division, B.C. (BCGS: 092I023).

### **DUFFELL, S. AND MCTAGGART, K. C.**

1952: Ashcroft Map-Area, British Columbia (BC); Geological Survey of Canada (GSC) Memoir 262, p. 52-58, (Spences Bridge Group and Kingsvale Group).

### **LEATHERMAN, L.**

2007: Ponderosa Property: Report on Preliminary Geologic Mapping for Strongbow Exploration (*Internal Strongbow Exploration Report*).

### **MINFILE**

092ISE035  
092HSE036  
092HNE041

### **MONGER, J. W. H. AND MCMILLAN, W. J.**

1989: Geology, Ashcroft BC; GSC Map 42-1989, sheet 1, scale 1:250,000.

### **MONGER, J. W. H.**

1989: Geology, Hope, BC; GSC Map 41-1989, sheet 1, scale 1:250,000.  
1981: Geology of Parts of Western Ashcroft Map Area, southwestern BC; in Current Research, Part A, GSC Paper 81-1A, p.185-189.

### **RICE, H. M. A.**

1947: Geology and Mineral Deposits of the Princeton Map-Area, BC; GSC Memoir 243.

**RYDER, J. M.**

1975: Quaternary Geology - Terrain Inventory, Lytton Map-Area, BC (92I/SW); in Current Research, Part A, GSC Paper 75-1A.

**SOUTHER, J. G.; GABRIELSE, H. AND YORATH, C.J. (ed.)**

1991: Volcanic Regimes, Chapter 14 in Geology of the Cordilleran Orogen in Canada, Geology of Canada, no.4, p. 457-490 (also Geological Society of America, The Geology of North America, v. G-2).

**STEWART, M.L. And GALE, D.F.**

2006: 2006 Prospecting, Mapping and Geochemistry, Inn Property, NTS: 92I/03, Nicola Mining Division, B.C. (BCGS: 092I005, 015).

2006: 2006 Prospecting, Mapping and Geochemistry, Shovelnose Property, NTS: 92H/15, Kamloops Mining Division, B.C. (BCGS: 092H086, 087, 096, 097).

**THORKELSON, D. J.**

1985: Geology of the Mid-Cretaceous Volcanic Units near Kingsvale, southwestern BC; in Current Research, Part B, GSC Paper 85-1B, p. 333-339.

## **APPENDIX I**

### **Acme Analytical Laboratories Laboratory Procedures & Gold Standard Reference Material**

Methods and Specifications for Analytical Package Group 1D & 1DX & ICP & ICP-MS  
Analysis-Aqua Regia

Methods and Specifications for Analytical Package Group 3B & 3B-MS- Precious Metals  
by Fire Geochem

Methods and Specifications for Analytical Package Group 6 –Precious Metals Assay  
Methods and Specifications for Analytical Package Group 7AR-Multi-Element Assay by  
ICP-ES-Aqua Regia Digest

&

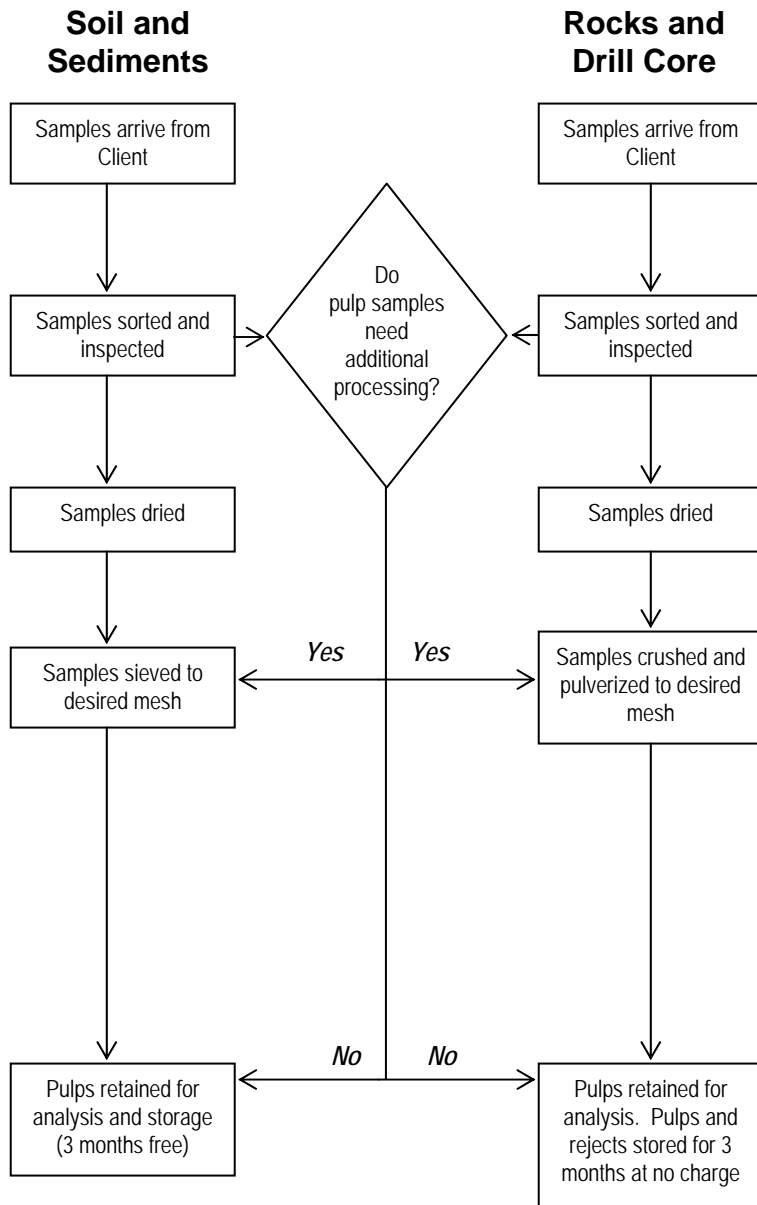
Oreas 61Pa

Oreas 61Pb

Oreas 62Pa

Oreas 10Pb

## GENERAL SAMPLE PREPARATION METHODS



### Comments

**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. Coarse pulps are screened or pulverized after getting client's approval.

**Drying:** Wet or damp samples are dried at 60°C (40°C if specified by the client).

**Sieving:** Soil and sediment sieved to -80 mesh ASTM (-177 microns) unless client specifies otherwise. Sieve cleaned by brush and compressed air between samples. Reference material G-1 (pulp made of granite blank) is carried as first sample in sequence (sieve>weigh>digest>analyse) to monitor background noise.

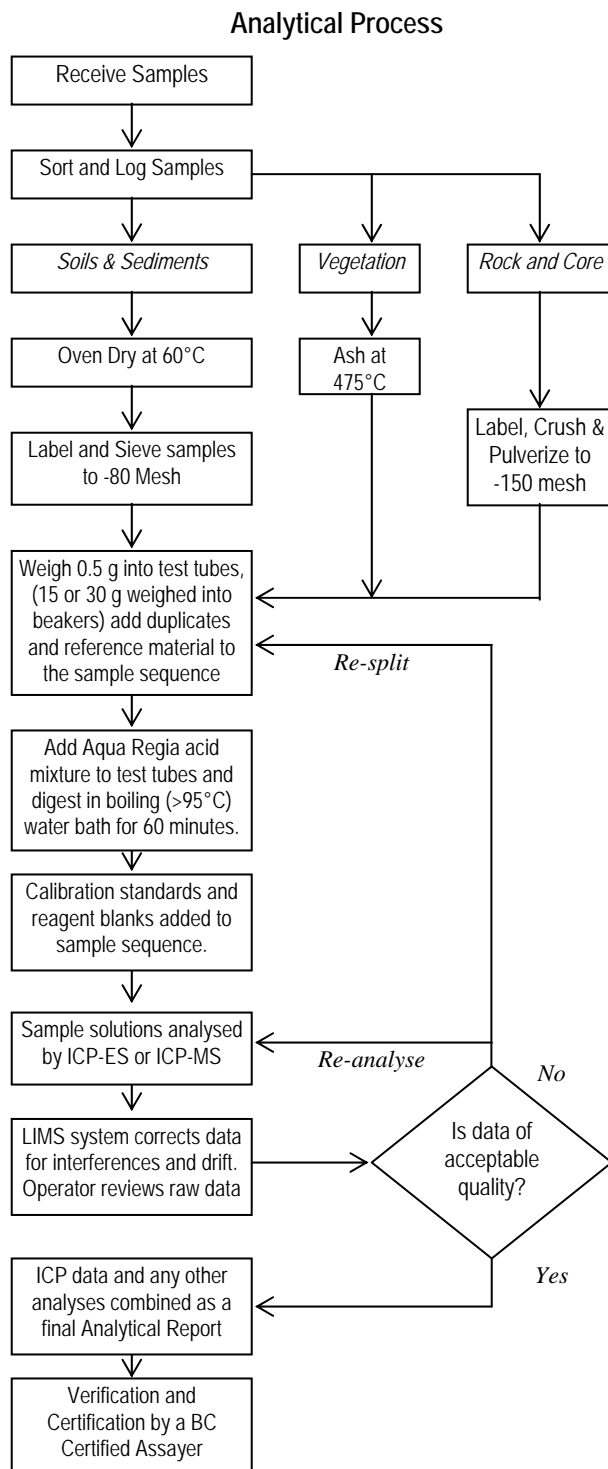
**Crushing and Pulverizing:** Rock and Drill Core crushed to 70% passing 10 mesh (2 mm), homogenized, riffle split (250 g subsample) and pulverized to 95% passing 150 mesh (100 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite is crushed and pulverized as first sample in sequence and carried through to analysis to monitor background noise.

**Compositing:** Equal weights of crushed, pulverized or sieved material from 2 or more samples are combined and pulverized for 60+ seconds to produce a homogeneous mixture.

**Storage:** Pulp samples (up to 100g for soils or sediments and up to 250 g for rock and drill core) are archived for 3 months at no cost. Soil and sediment rejects are discarded immediately. Rock and drill core rejects are stored for 3 months at no charge. Client may request additional storage, return or disposal of pulps and rejects after initial free storage period.



## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA



### Comments

#### Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

#### Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O is added to each sample to leach for one hour in a hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

#### Sample Analysis

**Group 1D:** solutions aspirated into a Jarrel Ash AtomComp 800 or 975 ICP or Spectro Ciros Vision emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

**Group 1DX:** solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Tl, Sr, Th, Ti, U, V, W, Zn.

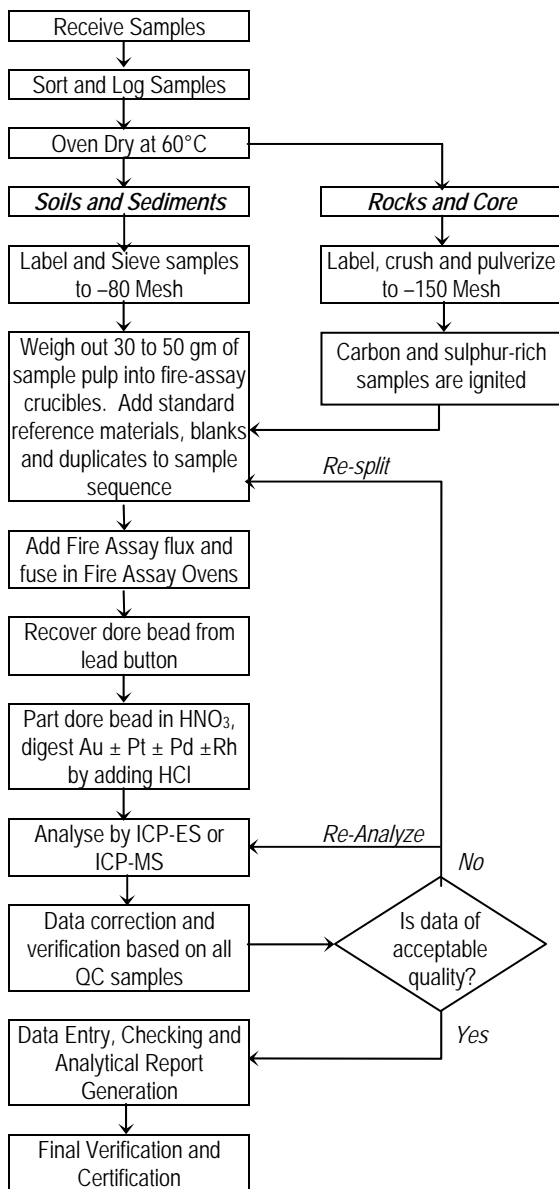
#### Quality Control and Data Verification

An Analytical Batch (1 page) comprises 36 samples. QA/QC protocol incorporates a sample-prep blank (G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and an aliquot of in-house Standard Reference Materials like STD DS7 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client.

## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 3B & 3B-MS - PRECIOUS METALS BY FIRE GEOCHEM

### Analytical Process



### Comments

#### Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh ASTM (-177 μm). Rocks and drill core are crushed and pulverized to 95% -150 mesh ASTM (-100 μm). Splits of 30 gm (client may select 50 gm option) are weighed into fire assay crucibles. Quality control samples comprising blanks, duplicates and reference materials OxF41 or FA-100S (Rocklabs CRM and in-house standard reference materials) added to each batch of 34 samples monitor background, precision and accuracy, respectively.

#### Sample Digestion

A fire assay charge comprising fluxes, litharge and a Ag inquant is custom mixed for each sample. Fusing at 1050°C for 1 hour liberates Au, Ag, Pt, Pd and Rh. The Pb button is recovered after cooling and cupelled at 950°C to render a Ag ± Au ± Pt ± Pd ± Rh dore bead. After weighing, the bead is parted in HNO<sub>3</sub> leaving Au (± PGE) sponge. Adding concentrated HCl dissolves the sponges.

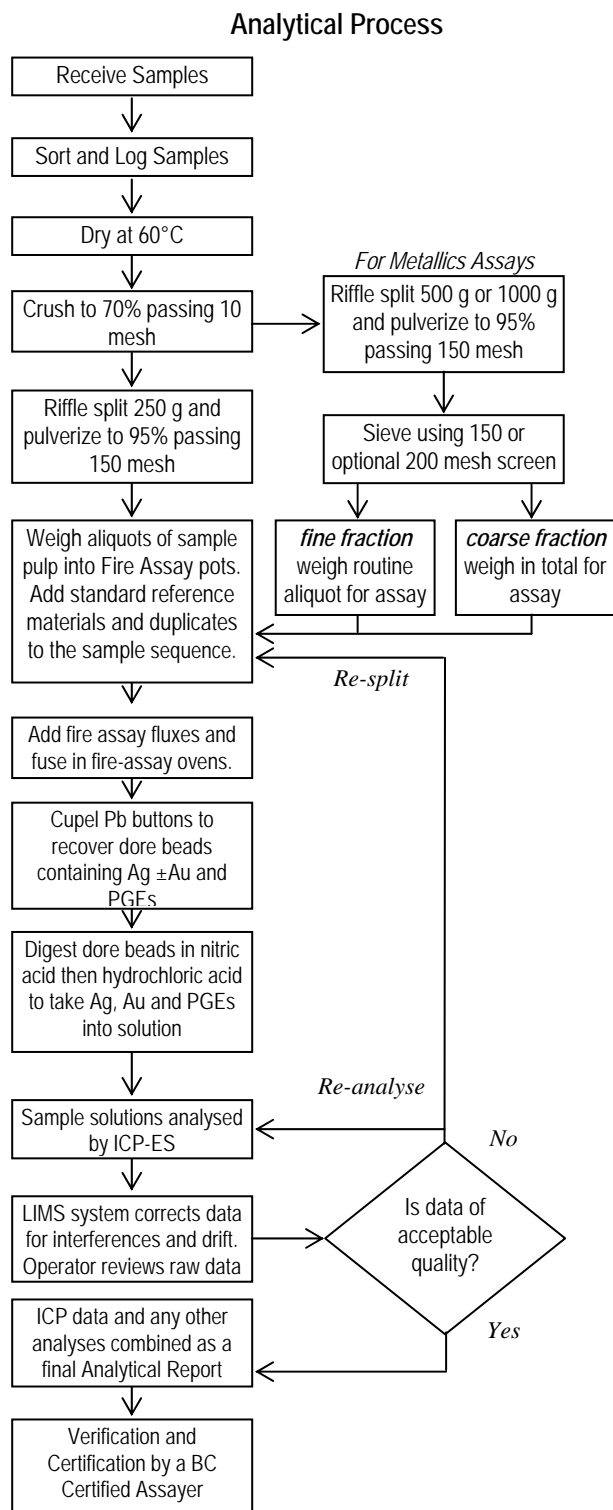
#### Sample Analysis

Solutions are analysed by ICP-ES (Jarrel Ash AtomComp model 800 or 975) analysis of the solutions to determine Au, Pt, and Pd. Group 3B-MS analyses the same solutions by ICP-MS (Perkin Elmer Elan 6000) to determine Au, Pt, Pd and Rh to much lower detection limits. Owing to the limited solubility of Rh in a Ag inquant, results are qualitative.

#### Data Evaluation

Data is inspected by the Fire Assay Supervisor then undergoes final verification by a British Columbia Certified Assayer who signs the Analytical Report before release to the client.

## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 6 – PRECIOUS METALS ASSAY



### Comments

#### Sample Preparation

Rock and drill core are jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100  $\mu$ m) in a mild-steel ring-and-puck mill. One assay ton aliquots (29.2 g) are weighed into fire assay crucibles. Option for 2 assay-ton aliquots is available on request. Smaller aliquots of  $\frac{1}{4}$  or  $\frac{1}{2}$  assay ton may be required with difficult ore matrices.

**Metallics Assay:** A 500 g reject split (or optional 1000 g) is pulverized to 95% passing 150 mesh. Screening the pulp gives a fine and coarse fraction (containing any coarse gold) for assaying.

#### Sample Digestion

The sample aliquot is custom blended with fire assay fluxes, PbO litharge and a Ag inquant. Firing the charge at 1050°C liberates Au, Ag  $\pm$  PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered placed in a cupel and fired at 950°C to render a Ag  $\pm$  Au  $\pm$  PGEs dore bead. The bead is weighed and parted (i.e. leached in 1 mL of hot HNO<sub>3</sub>) to dissolve Ag leaving a Au sponge. Adding 10 mL of HCl dissolves the Au  $\pm$  PGE sponge.

#### Sample Analysis

Solutions are analysed for Ag, Au, Pt and Pd on a Jarrel-Ash Atomcomp model 975 ICP emission spectrometer. Au in excess of 30 g/t forms a large sponge that can be weighed (gravimetric finish). Ag in excess of 100 g/t is reported from the fire assay, otherwise a separate split is digested in aqua regia and analysed by ICP-ES (Group 7AR).

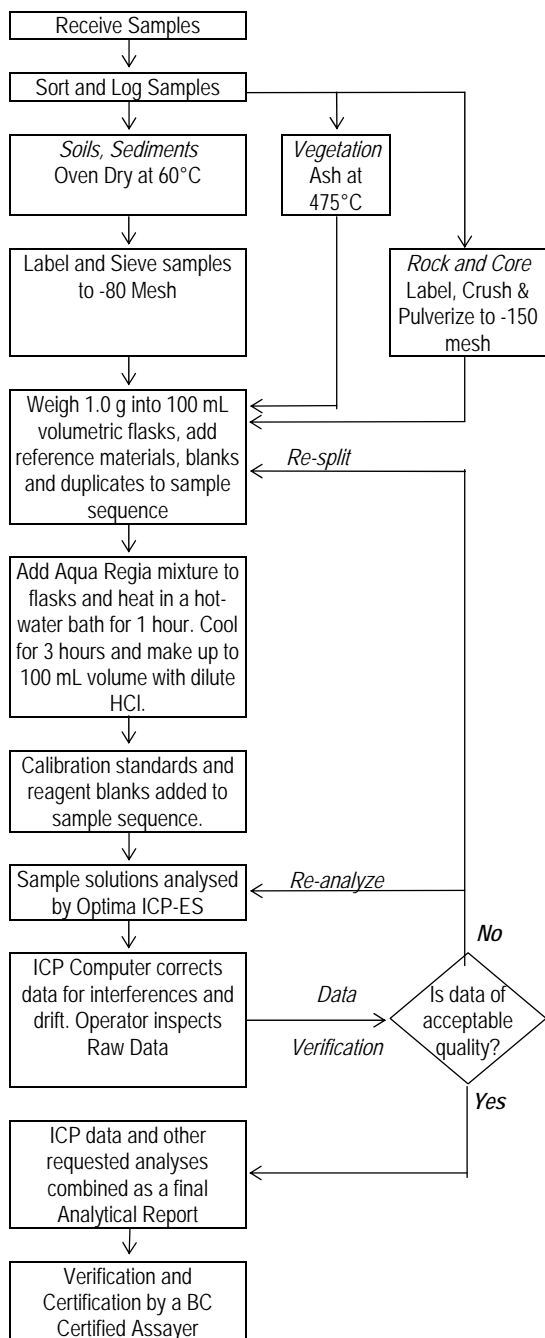
**Metallics Assay:** The coarse fraction is assayed in total. An aliquot of the fine fraction is assayed. Results report the total Au in the coarse fraction, the fine-fraction Au concentration and a weighted average Au concentration for the entire sample.

#### Quality Control and Data Verification

An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample carried through all stages of preparation to analysis, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of Rocklabs Certified Reference Materials like SL20 to monitor accuracy. Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client.

## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7AR – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST

### Analytical Process



### Comments

#### Sample Preparation

Assaying is warranted for representative well-mineralized samples (eg. Cu > 1%). Samples are dried at 60°C. Soil, sediment and moss mats (after pounding) are sieved to -80 mesh (-177 µm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Aliquots of 1.000 ± 0.002 g are weighed into 100 mL volumetric flasks. Acme's QA/QC protocol requires one pulp duplicate to monitor analytical precision and a blanks and aliquot of in-house reference material such as STD R3 or GC7 to monitor accuracy in each batch of 36 samples. Trench and drill core programs will also include a pulp made from a 2<sup>nd</sup> crushed fraction split (rejects duplicate) to measure method precision.

#### Sample Digestion

30 mL of Aqua Regia, a 1:1:1 mixture of ACS grade concentrated HCl, concentrated HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of a reagent blank inserted in each batch.

#### Sample Analysis

Sample solutions are aspirated into a Spectro Ciros Vision ICP emission spectrograph to determine 21 elements: Ag, Al, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W, Zn.

#### Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client.

CERTIFICATE OF ANALYSIS FOR  
**GOLD ORE REFERENCE MATERIAL**  
**OREAS 61Pa**

SUMMARY STATISTICS

Recommended Values, 95% Confidence and Tolerance Intervals

Constituent	Recommended value	95% Confidence interval		Tolerance interval 1- $\alpha$ =0.99, $\rho$ =0.95	
		Low	High	Low	High
Gold, Au (ppm)	4.46	4.39	4.54	4.45	4.48
Silver, Ag (ppm)	8.54	8.35	8.72	8.36	8.71

*Prepared by:*  
*Ore Research & Exploration Pty Ltd*  
*April, 2004*

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**ORE RESEARCH & EXPLORATION PTY LTD**

3 London Drive, Bayswater, Vic 3153 AUSTRALIA  
Telephone: 61-3-9762 1808 Facsimile: 61-3-9762 3808

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**CERTIFICATE OF ANALYSIS FOR**  
**GOLD ORE REFERENCE MATERIAL**  
**OREAS 61Pb**

**SUMMARY STATISTICS**

Recommended Values, 95% Confidence and Tolerance Intervals

Constituent	Recommended value	95% Confidence interval		Tolerance interval $1-\alpha=0.99, \rho=0.95$	
		Low	High	Low	High
Gold, Au (ppm)	4.75	4.68	4.82	4.73	4.77
Silver, Ag (ppm)	8.8	8.4	9.2	8.6	9.0

*Prepared by:*  
*Ore Research & Exploration Pty Ltd*  
*October, 2003*

REPORT 02/443C

**CERTIFICATE OF ANALYSIS FOR**  
**GOLD ORE REFERENCE MATERIAL**  
**OREAS 62Pa**

**SUMMARY STATISTICS**

Recommended Values, 95% Confidence and Tolerance Intervals

Constituent	Recommended value	95% Confidence interval		Tolerance interval $1-\alpha=0.99, \rho=0.95$	
		Low	High	Low	High
Gold, Au (ppm)	9.64	9.50	9.78	9.61	9.66
Silver, Ag (ppm)	18.4	17.9	18.9	18.1	18.7

*Prepared by:*  
*Ore Research & Exploration Pty Ltd*  
*April, 2004*



CERTIFICATE OF ANALYSIS FOR  
  
GOLD ORE REFERENCE MATERIAL  
  
OREAS 10Pb

SUMMARY STATISTICS

Constituent	Recommended Value	95% Confidence Interval		Tolerance limits 1- $\alpha$ =0.99, $\rho$ =0.95	
		Low	High	Low	High
Gold, Au (ppm)	7.15	7.04	7.26	7.08	7.22

*Prepared by:*  
*Ore Research & Exploration Pty Ltd*  
*July 2005*

## **APPENDIX II**

### **Acme Analytical Laboratories Laboratory Assay Certificates**

#### **Rock**

A706388

A706388R

VAN07000605.1

VAN07000489.2

VAN07002476.1

VAN07002544.1

VAN07002719.1

VAN07002375.1

VAN07002382.1

VAN07001891.1



GEOCHEMICAL ANALYSIS CERTIFICATE



Strongbow Exploration Inc. PROJECT Pon35-01 File # A706388

800 - 625 Howe St., Vancouver BC V6C 2T6 Submitted by: Felicia Chang

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B %	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.4	3.7	11.8	78	<.1	5.7	5.1	609	2.38	.5	4.2	2.9	9.2	78	<.1	<.1	.1	42	.59	.091	12	11	.66	241	.149	1	1.23	.114	.64	.2	<.01	2.5	.4	<.05	6	<.5
48516	.4	11.1	5.4	36	<.1	39.9	8.7	312	1.75	1.0	4.9	2.6	.9	23	<.1	.1	<.1	46	1.68	.056	5	40	.98	20	.137	3	1.79	.013	.04	.1	<.01	2.9	<.1	<.05	9	<.5
55189	3.0	11.9	8.8	40	.4	9.0	3.4	113	1.83	42.4	.4	186.7	.7	34	<.1	.3	<.1	28	.10	.038	2	22	.55	68	.002	<.1	.72	.005	.09	<.1	.06	1.2	<.1	.09	2	<.5
55190	.7	15.9	3.7	61	<.1	50.0	20.7	992	4.43	1.9	.5	.7	1.1	115	.2	.3	<.1	94	4.79	.199	19	80	1.78	133	.029	5	1.13	.026	.07	<.1	.02	8.8	<.1	<.05	6	<.5
55191	1.4	12.6	6.3	43	<.1	27.1	11.5	3448	3.77	3.9	.3	1.4	.8	164	.4	.3	<.1	71	7.41	.118	11	51	2.07	336	.039	5	.82	.026	.08	.1	.04	4.3	<.1	<.05	3	<.5
55192	4.0	163.6	4.8	67	.4	45.0	28.2	5566	4.20	64.9	.1	<.5	.1	275	.7	.2	<.1	56	17.43	.016	4	4	8.15	910	.004	1	.33	.014	.01	.6	.18	2.2	<.1	<.05	2	<.5
STANDARD	22.7	16.2	73.7	422	.9	60.1	10.0	667	2.51	54.4	5.3	70.7	4.9	79	6.5	6.3	5.0	83	.99	.092	14	211	1.13	401	.126	48	1.08	.093	.49	4.1	.23	2.8	4.7	.21	5	3.8

Standard is STANDARD DS7.

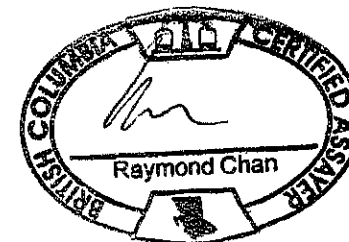
GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: ROCK R150

SEP 28 2007

Data 1 FA \_\_\_\_\_ DATE RECEIVED: AUG 20 2007 DATE REPORT MAILED:.....



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GEOCHEM PRECIOUS METALS ANALYSIS



Strongbow Exploration Inc. PROJECT Pon35-01 File # A706388R

800 - 625 Howe St., Vancouver BC V6C 2T6 Submitted by: Felicia Chang

SAMPLE#

Au\*\*  
ppb

55189  
STANDARD OxD57

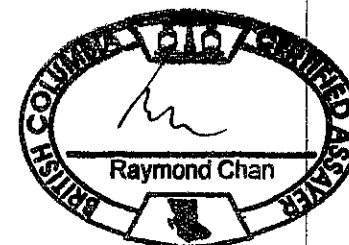
118  
399

GROUP 3B - FIRE GEOCHEM AU - 30 GM SAMPLE FUSION, DORE DISSOLVED IN AQUA - REGIA, ICP ANALYSIS. UPPER LIMITS = 10 PPM.  
GROUP 6 AU RECOMMENDED IF >10PPM FOR 30 GM, >5PPM FOR 50 GM.  
SAMPLE TYPE: ROCK PULP

NOV 01 2007

Data      FA     

DATE RECEIVED: SEP 28 2007 DATE REPORT MAILED:.....



All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

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ASSAY CERTIFICATE



Strongbow Exploration Inc. PROJECT Pon35-01 File # A706388R  
800 - 625 Howe St., Vancouver BC V6C 2T6 Submitted by: Felicia Chang

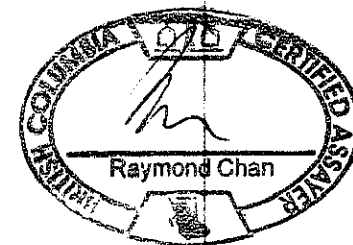
SAMPLE#	Ag gm/mT
55189 STANDARD R-3	<2 200

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.  
- SAMPLE TYPE: ROCK PULP

OCT 05 2007

Data \_\_\_ FA \_\_\_

DATE RECEIVED: SEP 28 2007 DATE REPORT MAILED: .....



All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

76

Report Date:

October 15, 2007

Page:

2 of 4

Part 1

## CERTIFICATE OF ANALYSIS

VAN07000605 1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
48521	Rock	1.6	23.9	5.3	40	1.4	21.2	15.1	511	2.75	174.0	0.2	568.8	0.6	16	<0.1	1.7	<0.1	49	0.72	0.055
48520	Rock	3.6	35.3	3.2	11	1.4	8.8	2.8	70	0.66	52.2	<0.1	542.7	0.1	6	<0.1	4.6	<0.1	11	0.05	0.015
48519	Rock	4.8	12.6	3.3	9	1.0	15.1	5.8	107	0.93	80.5	<0.1	43.9	0.1	7	<0.1	1.1	<0.1	13	0.07	0.031
62109	Rock	12.5	111.0	24.1	93	8.3	16.3	18.2	925	3.72	9.4	0.6	4498	1.8	128	1.8	0.2	0.2	88	2.11	0.081
62110	Rock	0.5	55.9	4.7	74	<0.1	66.5	23.7	819	4.33	2.0	0.2	1.1	0.5	148	<0.1	0.1	<0.1	85	2.26	0.140
61466	Rock	0.2	20.6	3.6	55	<0.1	20.6	13.1	593	2.75	3.3	0.2	<0.5	0.6	53	0.1	0.8	<0.1	61	4.19	0.068
61467	Rock	2.2	37.4	3.3	33	1.4	22.6	11.1	474	2.05	42.3	0.2	819.8	0.4	38	<0.1	2.3	<0.1	33	2.93	0.044
61468	Rock	3.8	51.2	2.7	27	2.6	49.0	16.5	431	1.98	110.8	0.2	1777	0.3	32	<0.1	2.1	<0.1	31	2.78	0.080
61469	Rock	3.7	41.2	1.9	17	2.2	27.0	7.4	264	1.34	70.4	0.1	2136	0.1	17	<0.1	1.8	<0.1	37	1.37	0.040
61470	Rock	2.5	22.9	1.9	25	2.1	28.5	7.7	376	1.47	64.4	0.2	2119	0.3	23	<0.1	1.8	<0.1	39	2.17	0.038
61471	Rock	2.2	24.6	2.2	24	2.0	24.2	8.7	352	1.53	59.9	0.2	1543	0.4	23	<0.1	1.2	<0.1	35	1.96	0.036
61472	Rock	2.0	20.0	3.6	34	1.8	21.3	11.8	380	2.14	101.7	0.2	1094	0.6	21	<0.1	1.1	<0.1	41	1.84	0.043
61473	Rock	6.1	18.1	4.8	35	1.3	20.4	12.6	395	2.29	133.7	0.2	584.1	0.5	26	<0.1	1.3	<0.1	39	1.64	0.046
61474	Rock	0.4	18.4	3.1	49	0.2	25.4	13.3	902	2.71	6.5	0.2	14.1	0.8	73	<0.1	0.6	<0.1	58	5.75	0.043
61475	Rock	0.2	64.7	2.6	67	0.2	34.7	17.7	800	3.34	4.8	0.2	9.5	0.7	41	0.1	0.5	<0.1	52	1.96	0.042
61476	Rock	0.2	25.1	3.2	38	<0.1	18.2	11.4	1356	2.37	1.3	0.3	3.9	0.9	185	0.2	0.8	<0.1	56	0.92	0.046
61477	Rock	0.2	18.4	2.1	56	<0.1	23.4	15.4	736	3.18	1.8	0.3	2.1	0.9	43	<0.1	0.3	<0.1	63	2.61	0.054
61478	Rock	0.5	27.9	3.1	49	<0.1	21.3	15.8	847	2.85	26.8	0.3	10.6	0.9	77	<0.1	0.7	<0.1	61	4.29	0.054
61479	Rock	0.3	29.5	2.3	64	<0.1	25.2	16.9	956	3.66	11.0	0.3	4.2	0.9	24	<0.1	0.3	<0.1	71	1.05	0.062
61480	Rock	0.1	21.7	3.2	66	<0.1	26.7	17.9	892	3.71	3.1	0.3	2.3	0.7	40	<0.1	0.2	0.2	76	1.55	0.070
61481	Rock	0.2	15.8	3.7	65	<0.1	25.6	18.4	746	3.59	4.5	0.3	2.3	0.7	38	<0.1	0.2	0.2	73	1.26	0.070
61482	Rock	0.2	19.3	12.0	55	0.2	23.1	15.7	902	3.13	8.2	0.4	2.7	0.6	52	<0.1	0.5	0.1	77	1.59	0.063
61483	Rock	0.3	20.0	3.8	60	0.1	25.1	17.3	1001	3.49	16.1	0.5	3.4	0.6	48	<0.1	0.4	<0.1	86	1.90	0.068
61484	Rock	3.1	19.7	4.2	60	0.2	25.3	18.8	740	3.23	41.8	0.3	31.6	0.5	39	<0.1	0.9	0.2	75	1.27	0.069
61485	Rock	0.3	21.9	2.3	58	<0.1	24.2	16.2	679	3.12	2.9	0.5	0.9	0.7	51	<0.1	0.2	<0.1	87	1.21	0.062
61486	Rock	0.5	27.1	2.2	61	<0.1	27.1	17.4	697	3.59	1.8	0.7	1.4	0.9	64	<0.1	0.2	<0.1	114	2.16	0.066
70850	Rock	0.4	3.6	0.6	3	0.2	3.4	0.6	37	0.27	<0.5	<0.1	431.2	<0.1	2	<0.1	0.1	<0.1	3	0.02	0.002
70851	Rock	0.8	21.8	2.5	47	<0.1	17.6	10.6	381	2.34	0.5	0.9	<0.5	2.0	200	<0.1	<0.1	<0.1	74	1.28	0.063
70852	Rock	0.4	12.7	2.2	27	<0.1	12.9	6.4	310	1.39	<0.5	0.4	1.0	0.8	186	<0.1	<0.1	<0.1	38	0.55	0.028
70853	Rock	0.7	37.2	2.1	62	<0.1	98.3	28.1	700	4.01	1.2	0.4	<0.5	0.8	199	<0.1	0.3	<0.1	91	4.10	0.166

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.



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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716  
 www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76

Report Date: October 15, 2007

Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

VAN07000605.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
48521	Rock			9	107	0.40	90	0.001	2	0.83	0.005	0.17	<0.1	0.09	3.3	0.3	0.73	4	1.5
48520	Rock			1	169	0.02	30	0.002	<1	0.14	0.003	0.05	<0.1	0.03	0.7	<0.1	<0.05	<1	<0.5
48519	Rock			2	151	0.02	34	0.002	1	0.25	0.002	0.11	<0.1	0.03	1.3	<0.1	<0.05	<1	<0.5
62109	Rock			13	22	1.13	92	0.090	3	2.36	0.128	0.23	0.2	0.04	7.6	0.1	0.75	7	1.0
62110	Rock			11	66	2.61	66	0.221	2	2.86	0.032	0.10	<0.1	<0.01	5.6	<0.1	0.05	10	<0.5
61466	Rock			11	84	1.29	160	0.003	4	2.04	0.015	0.10	<0.1	<0.01	7.8	<0.1	<0.05	8	<0.5
61467	Rock			7	102	0.63	63	0.003	2	0.97	0.010	0.13	<0.1	0.12	4.6	0.1	0.15	4	<0.5
61468	Rock			7	118	0.46	27	0.002	1	0.88	0.003	0.14	<0.1	0.51	3.2	0.3	0.49	3	0.8
61469	Rock			4	145	0.16	18	0.002	2	0.47	0.004	0.05	<0.1	0.33	2.1	0.1	0.28	2	0.6
61470	Rock			5	132	0.27	40	0.001	2	0.63	0.002	0.10	<0.1	0.21	2.9	0.2	0.20	2	0.7
61471	Rock			5	120	0.21	38	0.001	2	0.56	0.003	0.13	<0.1	0.13	2.8	0.2	0.25	2	0.7
61472	Rock			8	122	0.40	49	<0.001	2	0.85	0.004	0.16	<0.1	0.06	3.6	0.2	0.38	3	1.1
61473	Rock			8	112	0.58	104	<0.001	1	0.97	0.002	0.15	<0.1	0.06	3.5	0.2	0.49	4	0.9
61474	Rock			18	95	0.96	370	0.002	3	2.29	0.051	0.16	<0.1	<0.01	7.9	<0.1	0.35	6	<0.5
61475	Rock			12	75	1.88	57	0.002	2	2.57	0.026	0.19	<0.1	<0.01	6.1	<0.1	<0.05	7	<0.5
61476	Rock			10	71	0.83	134	0.003	2	1.62	0.023	0.13	<0.1	<0.01	7.8	<0.1	0.07	5	<0.5
61477	Rock			9	83	1.62	110	0.001	3	2.26	0.028	0.10	<0.1	<0.01	8.5	<0.1	0.17	8	<0.5
61478	Rock			9	85	1.72	21	0.003	2	2.16	0.026	0.05	<0.1	<0.01	9.4	<0.1	0.15	8	<0.5
61479	Rock			9	91	2.69	30	0.002	1	2.99	0.031	0.11	<0.1	<0.01	9.6	<0.1	0.08	10	<0.5
61480	Rock			10	97	2.14	36	0.002	2	2.59	0.040	0.10	<0.1	<0.01	9.3	<0.1	0.28	10	<0.5
61481	Rock			9	93	2.02	35	0.003	2	2.34	0.038	0.07	<0.1	<0.01	8.7	<0.1	0.30	10	<0.5
61482	Rock			9	87	1.86	70	0.040	3	2.31	0.035	0.07	0.2	<0.01	7.4	<0.1	0.18	9	<0.5
61483	Rock			9	87	2.17	72	0.086	3	2.56	0.030	0.07	<0.1	<0.01	8.3	<0.1	0.15	8	<0.5
61484	Rock			10	107	2.16	36	0.020	1	2.57	0.028	0.06	<0.1	0.03	7.2	<0.1	0.13	9	<0.5
61485	Rock			8	93	2.20	90	0.166	3	2.56	0.045	0.06	0.1	<0.01	9.4	<0.1	0.12	8	<0.5
61486	Rock			9	107	2.40	53	0.213	3	2.72	0.128	0.06	0.1	<0.01	11.6	<0.1	<0.05	8	<0.5
70850	Rock			<1	166	0.03	6	0.002	<1	0.06	0.004	<0.01	<0.1	0.04	0.2	<0.1	<0.05	<1	<0.5
70851	Rock			11	68	0.43	53	0.190	2	2.06	0.374	0.38	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5
70852	Rock			5	133	0.52	57	0.124	1	1.05	0.109	0.15	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5
70853	Rock			16	115	1.43	48	0.057	1	2.43	0.328	0.06	<0.1	0.03	12.4	<0.1	<0.05	5	<0.5

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.





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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

76

Report Date:

October 15, 2007

Page:

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Part 1

## CERTIFICATE OF ANALYSIS

VAN07000605.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
70854	Rock	0.6	37.1	1.5	54	<0.1	76.9	25.8	689	3.48	4.5	0.2	1.6	0.6	138	<0.1	1.6	<0.1	86	2.65	0.139
70855	Rock	0.7	39.9	2.9	65	<0.1	41.0	19.5	545	4.02	<0.5	0.5	<0.5	1.6	119	0.1	<0.1	<0.1	124	1.96	0.114
70856	Rock	0.5	5.0	2.4	17	<0.1	6.9	4.0	206	0.83	1.3	0.2	<0.5	0.2	16	<0.1	<0.1	<0.1	18	1.08	0.021
62677	Rock	3.0	23.0	4.6	31	3.0	24.7	16.6	287	2.32	166.5	0.4	764.4	0.5	10	0.1	3.5	<0.1	37	0.22	0.069
62678	Rock	2.2	17.0	2.8	19	4.5	17.5	8.7	308	2.00	136.9	0.3	5033	0.3	13	<0.1	2.3	<0.1	53	0.77	0.050
62679	Rock	2.2	18.6	2.0	12	7.8	14.7	6.5	247	1.46	125.0	0.2	6027	0.2	10	<0.1	2.2	<0.1	33	0.15	0.029
62680	Rock	2.1	19.2	3.9	37	2.5	22.5	11.5	177	2.43	148.2	0.2	1234	0.5	9	<0.1	1.9	<0.1	31	0.28	0.043
62681	Rock	1.6	30.3	6.1	49	1.5	32.3	20.6	355	3.03	171.3	0.3	90.0	0.6	11	<0.1	4.2	<0.1	31	0.71	0.045
62682	Rock	20.8	28.3	4.1	31	1.7	41.5	20.0	631	2.76	159.5	0.4	231.4	0.3	25	0.1	2.9	<0.1	44	3.84	0.068
62683	Rock	1.5	35.1	1.8	77	<0.1	53.9	22.7	769	4.51	9.3	0.3	4.5	1.2	15	<0.1	0.3	<0.1	79	0.34	0.064
62684	Rock	0.8	33.1	1.5	62	<0.1	35.5	20.0	759	3.70	9.0	0.3	2.2	1.1	23	<0.1	0.2	<0.1	69	0.70	0.055
62685	Rock	2.1	30.7	2.4	13	7.9	19.8	10.0	223	1.55	125.6	0.4	1717	0.3	7	<0.1	5.6	<0.1	30	0.19	0.074
62686	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
62687	Rock	0.5	7.6	2.9	32	0.3	8.4	5.0	326	1.87	8.6	0.9	51.9	4.8	14	<0.1	0.3	<0.1	36	0.84	0.041
62688	Rock	0.8	30.0	3.3	70	0.1	40.6	22.3	776	4.43	4.6	0.7	12.3	1.5	60	0.1	0.2	<0.1	133	1.48	0.112
62689	Rock	1.2	25.7	3.7	75	<0.1	42.4	23.4	775	4.54	5.7	0.8	0.6	1.7	55	0.1	0.1	<0.1	143	1.28	0.119
62690	Rock	0.8	32.1	3.7	69	<0.1	37.7	21.7	737	4.37	4.7	0.8	0.5	1.6	50	0.2	0.1	<0.1	130	1.27	0.112
62111	Rock	23.6	23.3	3.3	43	1.0	57.2	17.7	349	3.34	141.1	0.3	214.6	0.6	56	0.1	3.8	<0.1	41	1.78	0.113
62112	Rock	14.4	115.0	20.9	95	10.4	16.4	18.9	927	3.83	8.9	0.5	4746	1.7	133	1.7	0.2	0.2	100	2.20	0.083
62113	Rock	10.2	59.8	2.5	53	0.7	87.4	25.2	656	4.36	83.4	0.3	80.7	0.4	31	<0.1	1.5	0.1	35	1.82	0.169
62114	Rock	31.7	47.1	3.4	67	1.5	94.4	30.9	809	5.07	150.4	0.1	229.1	0.4	30	<0.1	3.3	<0.1	85	1.52	0.178
62115	Rock	11.7	25.5	1.8	24	1.5	43.0	13.7	367	2.23	113.4	0.3	444.1	0.2	24	<0.1	2.9	<0.1	42	1.23	0.167
62116	Rock	10.8	20.8	4.0	42	1.3	67.9	23.1	528	3.34	192.5	0.2	233.3	0.4	40	<0.1	4.9	0.1	70	0.81	0.145
62117	Rock	9.0	50.8	3.9	72	1.0	104.7	34.3	895	5.64	185.8	0.2	86.5	0.6	32	<0.1	3.0	<0.1	110	0.68	0.196
62118	Rock	32.7	39.6	5.6	58	1.5	91.0	29.0	697	5.13	351.7	0.3	142.3	0.6	34	<0.1	9.4	<0.1	80	0.61	0.192
62119	Rock	2.7	43.0	3.7	62	1.3	108.7	30.5	842	5.23	226.8	0.3	116.8	0.7	34	<0.1	8.0	<0.1	123	0.72	0.192
62120	Rock	65.4	29.7	5.1	45	2.5	67.1	21.6	588	4.16	305.9	0.3	488.2	0.4	24	<0.1	6.2	<0.1	93	0.56	0.139
62121	Rock	49.5	29.4	4.0	49	1.9	77.5	23.9	695	4.25	235.0	0.2	278.1	0.5	24	<0.1	5.5	<0.1	106	0.75	0.158
62122	Rock	34.6	33.7	3.4	60	1.2	91.5	27.8	850	4.80	129.2	0.2	238.5	0.5	39	<0.1	2.3	<0.1	136	1.22	0.164
62123	Rock	22.9	22.5	3.0	53	1.5	73.4	21.9	729	3.86	111.4	0.2	193.5	0.4	36	<0.1	2.5	<0.1	136	1.20	0.143

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ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76  
 Report Date: October 15, 2007

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CERTIFICATE OF ANALYSIS

VAN07000605.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
70854	Rock	13	175	1.63	144	0.037	2	2.04	0.081	0.07	<0.1	0.06	10.7	<0.1	<0.05	6	<0.5
70855	Rock	14	43	1.74	42	0.268	<1	2.69	0.315	0.06	<0.1	<0.01	7.1	<0.1	<0.05	7	<0.5
70856	Rock	4	136	0.22	82	0.003	<1	0.61	0.013	0.08	<0.1	<0.01	1.8	<0.1	<0.05	2	<0.5
62677	Rock	6	79	0.07	28	0.002	1	0.90	0.007	0.18	<0.1	0.21	4.5	0.3	0.08	3	0.8
62678	Rock	4	137	0.19	23	0.004	<1	0.54	0.006	0.11	0.2	0.25	3.2	0.4	0.35	2	1.7
62679	Rock	2	171	0.05	51	0.002	<1	0.35	0.003	0.04	<0.1	0.29	2.2	0.4	0.39	1	2.5
62680	Rock	6	90	0.08	24	0.001	<1	0.76	0.005	0.18	<0.1	0.17	4.1	0.3	0.16	3	0.8
62681	Rock	7	37	0.09	26	<0.001	<1	0.86	0.004	0.23	<0.1	0.28	5.2	0.6	0.16	3	0.6
62682	Rock	7	42	0.09	23	0.001	<1	0.69	0.024	0.12	<0.1	0.33	5.7	0.4	0.35	2	1.0
62683	Rock	13	35	0.84	62	0.012	<1	1.94	0.017	0.07	<0.1	0.02	10.5	<0.1	<0.05	7	<0.5
62684	Rock	11	36	1.91	50	0.018	<1	2.43	0.034	0.09	<0.1	<0.01	8.1	<0.1	<0.05	9	<0.5
62685	Rock	5	28	0.09	20	0.004	<1	0.51	0.006	0.08	0.1	1.02	2.2	0.5	0.24	2	1.5
62686	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
62687	Rock	12	14	0.49	36	0.110	<1	1.18	0.051	0.09	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5
62688	Rock	14	45	2.40	43	0.352	<1	2.40	0.112	0.09	<0.1	0.01	12.4	<0.1	<0.05	10	<0.5
62689	Rock	14	45	2.44	46	0.361	<1	2.46	0.098	0.10	<0.1	<0.01	12.6	<0.1	<0.05	11	<0.5
62690	Rock	14	38	2.21	43	0.324	<1	2.20	0.095	0.09	<0.1	<0.01	11.6	<0.1	<0.05	10	<0.5
62111	Rock	11	53	0.63	60	0.026	<1	1.25	0.061	0.13	<0.1	0.16	4.4	0.3	0.69	4	0.5
62112	Rock	14	23	1.14	101	0.108	<1	2.47	0.130	0.24	0.2	0.04	8.6	0.2	0.75	8	1.0
62113	Rock	15	72	1.43	38	0.007	<1	2.34	0.009	0.27	<0.1	0.06	6.1	0.2	0.91	6	1.1
62114	Rock	15	142	2.75	23	0.006	<1	3.23	0.009	0.14	<0.1	0.18	7.7	0.4	0.45	11	0.8
62115	Rock	7	70	0.99	20	0.008	<1	1.30	0.008	0.09	<0.1	0.19	3.3	0.4	0.49	5	1.4
62116	Rock	11	103	1.50	34	0.029	<1	1.96	0.009	0.09	<0.1	0.16	6.0	0.4	0.54	8	0.8
62117	Rock	15	161	2.79	59	0.027	1	3.22	0.016	0.09	<0.1	0.15	9.0	0.3	0.84	13	0.7
62118	Rock	15	148	2.20	81	0.018	<1	2.53	0.017	0.10	<0.1	0.23	7.8	0.6	1.26	10	1.4
62119	Rock	16	158	2.29	53	0.006	1	2.87	0.022	0.08	<0.1	0.33	9.4	0.7	0.86	12	1.0
62120	Rock	11	95	1.87	41	0.006	1	2.18	0.008	0.12	<0.1	0.16	5.0	0.6	0.72	9	2.0
62121	Rock	12	116	2.30	30	0.006	1	2.61	0.010	0.13	<0.1	0.31	5.9	0.6	0.56	10	1.2
62122	Rock	13	149	3.40	30	0.007	1	3.65	0.014	0.07	<0.1	0.10	7.3	0.5	0.45	14	0.8
62123	Rock	11	132	2.91	29	0.005	<1	3.03	0.013	0.07	<0.1	0.11	6.2	0.4	0.46	12	1.0

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ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

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Report Date:

October 15, 2007

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Part 1

## CERTIFICATE OF ANALYSIS

VAN07000605.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
62124	Rock	109.7	39.3	4.9	39	2.2	63.1	23.5	603	3.87	245.7	0.3	227.1	0.4	32	<0.1	10.0	<0.1	86	1.16	0.130
62125	Rock	43.3	11.9	4.3	17	1.4	39.9	12.4	153	2.07	140.6	<0.1	121.5	0.2	16	<0.1	6.1	<0.1	30	0.51	0.058
62126	Rock	54.3	29.2	4.7	49	2.5	77.9	28.5	744	4.52	348.9	0.3	286.9	0.4	39	<0.1	10.7	<0.1	85	1.76	0.149
62127	Rock	1.8	49.0	4.5	77	1.0	103.7	32.6	737	5.36	147.2	0.3	49.6	0.8	32	<0.1	1.9	<0.1	43	1.02	0.174
62128	Rock	0.8	46.1	4.4	66	0.6	67.8	25.6	729	4.31	188.4	0.3	57.5	0.7	32	0.1	2.5	<0.1	28	1.62	0.140
62129	Rock	1.3	26.9	4.2	55	0.7	67.7	21.8	640	3.88	122.5	0.2	101.7	0.6	38	<0.1	1.2	<0.1	36	2.23	0.115
62130	Rock	2.0	24.1	5.6	53	0.5	56.1	20.2	578	3.41	104.9	0.3	20.9	0.7	56	<0.1	5.6	0.2	49	1.47	0.087
62131	Rock	2.3	13.8	2.7	25	0.6	27.8	9.5	272	1.79	67.0	0.2	240.5	0.4	39	<0.1	1.8	<0.1	35	0.89	0.054
62132	Rock	0.4	4.9	2.2	43	<0.1	30.2	11.9	522	2.36	5.3	0.3	66.0	0.8	48	<0.1	0.4	<0.1	45	1.82	0.070
62133	Rock	0.3	2.9	2.2	54	<0.1	36.3	14.1	602	2.67	2.7	0.3	5.1	0.7	38	<0.1	0.2	<0.1	54	1.57	0.079
62134	Rock	0.2	1.4	2.1	36	<0.1	30.0	9.5	498	1.86	1.0	0.3	2.7	0.8	78	<0.1	0.4	<0.1	56	2.72	0.057
62135	Rock	0.2	1.3	2.4	50	<0.1	40.0	14.8	629	2.70	1.0	0.3	1.3	0.8	49	<0.1	0.2	<0.1	63	2.68	0.063
62136	Rock	0.3	2.8	2.9	38	<0.1	20.9	11.8	351	2.41	2.0	0.3	0.7	0.7	35	<0.1	0.3	<0.1	68	0.99	0.065
62137	Rock	0.2	14.7	3.0	68	<0.1	30.0	17.7	732	3.51	9.4	0.4	<0.5	1.0	25	<0.1	<0.1	<0.1	34	0.75	0.126
62138	Rock	0.2	5.2	3.0	69	<0.1	32.3	17.7	833	3.69	7.8	0.4	<0.5	1.1	34	<0.1	0.2	<0.1	50	1.60	0.131
62139	Rock	0.2	3.8	3.0	60	<0.1	24.7	16.2	744	3.22	3.8	0.3	0.6	0.9	40	<0.1	0.2	<0.1	53	1.55	0.111
62140	Rock	0.3	4.9	3.4	52	<0.1	23.6	14.0	734	3.01	4.2	0.3	<0.5	0.8	50	<0.1	0.2	<0.1	52	1.61	0.107
62141	Rock	0.2	3.2	2.9	62	<0.1	24.7	17.5	884	3.29	3.0	0.3	<0.5	0.9	41	<0.1	0.2	<0.1	55	2.09	0.130
62142	Rock	0.4	9.6	3.2	67	<0.1	27.2	17.6	838	3.81	4.2	0.2	<0.5	0.9	44	<0.1	0.2	<0.1	56	1.83	0.086
62143	Rock	0.2	74.1	2.4	65	<0.1	26.6	16.3	613	3.47	1.9	0.2	<0.5	0.8	36	<0.1	0.2	<0.1	65	1.41	0.076
62144	Rock	0.3	16.7	3.1	51	<0.1	20.4	12.5	564	2.39	2.1	0.2	<0.5	0.6	86	<0.1	0.4	<0.1	56	4.56	0.051
62145	Rock	0.3	21.2	2.9	50	<0.1	23.2	14.5	694	2.82	2.9	0.2	<0.5	0.6	49	<0.1	0.1	<0.1	57	2.54	0.063
62146	Rock	0.4	14.5	5.1	53	0.1	24.9	16.0	519	3.27	7.3	0.2	1.8	0.7	49	<0.1	0.2	<0.1	56	1.44	0.063



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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716  
 www.acmelab.com

**Client:** Strongbow Exploration Inc.  
 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

**Project:** 76  
**Report Date:** October 15, 2007

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**CERTIFICATE OF ANALYSIS**

**VAN07000605.1**

	Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
			ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
			MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
62124	Rock	10	88	1.66	25	0.007	1	2.03	0.009	0.13	<0.1	0.36	4.8	1.3	1.33	8	1.7	
62125	Rock	5	44	0.16	44	0.008	1	0.51	0.007	0.07	<0.1	0.32	3.4	0.4	0.87	2	0.9	
62126	Rock	13	117	1.85	27	0.005	1	2.33	0.011	0.15	<0.1	0.45	6.1	1.2	1.80	9	2.0	
62127	Rock	18	61	2.19	22	0.004	2	2.97	0.006	0.34	<0.1	0.08	4.8	0.2	1.73	8	2.0	
62128	Rock	16	38	1.79	29	0.003	1	2.46	0.005	0.31	<0.1	0.08	4.5	0.4	1.32	6	0.9	
62129	Rock	16	50	1.44	56	0.003	3	2.17	0.005	0.23	<0.1	0.05	5.2	0.2	1.41	6	1.2	
62130	Rock	8	79	1.65	31	0.081	3	2.15	0.031	0.11	<0.1	0.11	5.6	0.2	0.41	6	<0.5	
62131	Rock	5	43	0.55	70	0.025	2	0.82	0.028	0.08	<0.1	0.07	3.1	0.1	0.45	3	0.6	
62132	Rock	9	60	1.17	22	0.011	2	1.85	0.013	0.05	<0.1	0.01	5.3	<0.1	0.19	6	<0.5	
62133	Rock	9	64	1.43	32	0.008	1	2.08	0.018	0.04	<0.1	0.02	5.8	<0.1	0.23	7	<0.5	
62134	Rock	10	61	0.89	175	0.006	2	2.03	0.010	0.04	<0.1	<0.01	4.9	<0.1	<0.05	8	<0.5	
62135	Rock	10	73	1.45	26	0.006	2	2.46	0.007	0.04	<0.1	<0.01	6.0	<0.1	0.32	8	<0.5	
62136	Rock	8	46	0.98	56	0.005	3	1.77	0.010	0.07	<0.1	<0.01	6.2	<0.1	0.38	6	<0.5	
62137	Rock	10	56	1.75	36	0.003	2	2.59	0.014	0.16	<0.1	<0.01	7.3	<0.1	0.43	8	<0.5	
62138	Rock	12	62	2.07	24	0.004	2	3.03	0.010	0.07	<0.1	<0.01	9.2	<0.1	0.40	10	<0.5	
62139	Rock	9	59	1.75	23	0.004	2	2.74	0.015	0.09	<0.1	0.01	7.9	<0.1	0.36	9	<0.5	
62140	Rock	10	54	1.42	26	0.004	2	2.70	0.016	0.06	<0.1	<0.01	7.5	<0.1	0.13	9	<0.5	
62141	Rock	11	60	1.97	27	0.005	2	2.87	0.020	0.07	<0.1	<0.01	8.7	<0.1	0.19	9	<0.5	
62142	Rock	11	67	1.93	48	0.003	2	2.89	0.022	0.13	<0.1	<0.01	8.8	<0.1	0.22	9	<0.5	
62143	Rock	9	66	1.87	55	0.003	3	2.69	0.028	0.12	<0.1	<0.01	8.1	<0.1	0.22	9	<0.5	
62144	Rock	11	51	1.19	836	0.001	2	2.24	0.021	0.06	<0.1	<0.01	6.4	<0.1	0.16	7	<0.5	
62145	Rock	9	58	1.56	99	0.002	3	2.37	0.021	0.11	<0.1	<0.01	6.9	<0.1	0.22	7	<0.5	
62146	Rock	9	62	1.57	215	0.004	2	2.11	0.026	0.11	<0.1	<0.01	7.3	<0.1	0.47	7	<0.5	

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.



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Phone (604) 253-3158 Fax (604) 253-1716

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800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project: 76

Report Date: October 15, 2007

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## QUALITY CONTROL REPORT

VAN07000605.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
61467	Rock	2.2	37.4	3.3	33	1.4	22.6	11.1	474	2.05	42.3	0.2	819.8	0.4	38	<0.1	2.3	<0.1	33	2.93	0.044
REP 61467	QC	1.9	37.7	3.3	32	1.2	23.0	11.2	471	2.05	42.4	0.1	706.9	0.4	38	<0.1	2.2	<0.1	33	2.93	0.045
70853	Rock	0.7	37.2	2.1	62	<0.1	98.3	28.1	700	4.01	1.2	0.4	<0.5	0.8	199	<0.1	0.3	<0.1	91	4.10	0.166
REP 70853	QC	0.6	36.9	2.3	62	<0.1	94.9	27.9	702	4.01	1.0	0.4	3.4	0.8	199	<0.1	0.3	<0.1	91	4.10	0.166
62136	Rock	0.3	2.8	2.9	38	<0.1	20.9	11.8	351	2.41	2.0	0.3	0.7	0.7	35	<0.1	0.3	<0.1	68	0.99	0.065
REP 62136	QC	0.4	2.8	3.0	40	<0.1	22.1	11.9	342	2.41	2.1	0.3	1.1	0.7	36	<0.1	0.3	<0.1	68	0.99	0.066
Reference Materials																					
STD DS7	Standard	22.3	111.8	64.1	420	0.9	63.0	10.6	656	2.53	51.1	4.9	81.4	4.3	73	6.6	5.7	4.7	87	1.06	0.079
STD DS7	Standard	22.7	109.3	60.6	411	0.9	61.2	10.3	650	2.48	48.0	4.8	77.1	4.4	76	6.2	5.6	4.3	88	1.06	0.078
STD DS7	Standard	21.8	104.4	71.2	413	0.8	59.8	9.8	651	2.46	48.4	5.2	75.0	5.1	77	6.0	6.1	4.5	84	1.04	0.075
STD DS7	Standard	21.1	103.6	69.7	401	0.8	59.9	9.7	630	2.39	47.3	5.3	79.6	5.1	78	5.6	5.9	4.4	81	1.00	0.072
STD DS7	Standard	20.0	105.7	70.4	396	0.9	60.8	9.7	639	2.46	48.1	4.9	62.0	4.6	74	5.9	5.7	4.1	81	0.99	0.075
STD DS7	Standard	21.1	107.7	72.2	402	0.9	60.4	9.8	643	2.52	49.6	5.0	85.7	4.9	75	6.3	5.4	4.4	85	0.99	0.078
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	0.3	5.8	3.3	50	<0.1	5.2	5.0	562	1.93	<0.5	2.5	0.5	4.1	60	<0.1	<0.1	0.2	35	0.51	0.073
G1	Prep Blank	0.3	4.3	3.1	48	<0.1	5.2	4.9	567	1.97	0.6	2.3	1.2	4.4	57	<0.1	<0.1	0.1	36	0.48	0.076



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Client: **Strongbow Exploration Inc.**

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76

Report Date: October 15, 2007

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

VAN07000605.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
Pulp Duplicates																		
61467	Rock		7	102	0.63	63	0.003	2	0.97	0.010	0.13	<0.1	0.12	4.6	0.1	0.15	4	<0.5
REP 61467	QC		7	100	0.63	63	0.003	1	0.97	0.009	0.13	<0.1	0.12	4.6	0.1	0.15	4	<0.5
70853	Rock		16	115	1.43	48	0.057	1	2.43	0.328	0.06	<0.1	0.03	12.4	<0.1	<0.05	5	<0.5
REP 70853	QC		16	116	1.43	48	0.055	<1	2.43	0.328	0.06	<0.1	0.03	12.6	<0.1	<0.05	6	<0.5
62136	Rock		8	46	0.98	56	0.005	3	1.77	0.010	0.07	<0.1	<0.01	6.2	<0.1	0.38	6	<0.5
REP 62136	QC		8	45	0.98	58	0.005	3	1.77	0.010	0.07	<0.1	<0.01	6.1	<0.1	0.38	6	<0.5
Reference Materials																		
STD DS7	Standard		15	231	1.13	385	0.140	45	1.13	0.105	0.44	4.2	0.21	3.1	4.7	0.20	5	3.9
STD DS7	Standard		15	229	1.10	397	0.142	35	1.14	0.107	0.43	3.9	0.21	3.3	4.5	0.20	5	4.0
STD DS7	Standard		15	233	1.08	399	0.132	37	1.11	0.103	0.46	4.2	0.19	2.7	4.5	0.20	5	3.7
STD DS7	Standard		15	227	1.06	380	0.133	36	1.10	0.103	0.44	4.0	0.20	2.9	4.3	0.19	5	3.4
STD DS7	Standard		14	212	1.08	380	0.120	39	1.07	0.100	0.44	3.7	0.19	2.7	4.2	0.20	5	3.6
STD DS7	Standard		14	218	1.10	383	0.123	37	1.07	0.104	0.45	3.8	0.20	2.8	4.3	0.21	5	3.8
STD DS7 Expected			12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank		<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank		<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank		<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank		8	79	0.60	221	0.126	1	1.08	0.091	0.50	0.2	<0.01	2.2	0.3	<0.05	5	<0.5
G1	Prep Blank		8	69	0.62	212	0.127	1	1.07	0.079	0.53	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5



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Vancouver BC V6C 2T6 Canada

Project:

Pon35

Report Date:

December 17, 2007

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Part 1

## CERTIFICATE OF ANALYSIS

**VAN07000489.2**

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
62028	Rock	0.3	29.4	8.6	85	0.4	41.1	22.7	754	5.01	143.0	0.3	8.9	0.8	16	<0.1	6.8	0.1	62	1.78	0.079
62029	Rock	0.3	31.2	10.0	69	0.4	36.6	19.6	734	4.42	209.4	0.3	9.6	0.9	13	<0.1	8.0	0.2	60	0.79	0.085
62030	Rock	0.2	21.6	8.2	63	0.3	34.4	19.2	535	3.60	185.0	0.4	5.3	0.7	19	<0.1	6.0	0.1	46	0.93	0.077
62031	Rock	0.6	40.5	3.7	71	<0.1	49.4	21.2	699	4.27	3.9	0.2	<0.5	0.6	140	<0.1	0.1	<0.1	88	1.72	0.168
62027	Rock	0.5	21.2	8.3	71	0.3	40.7	18.4	975	4.79	82.1	0.3	7.8	0.8	30	<0.1	4.8	<0.1	60	2.04	0.066
62000	Rock	0.8	26.2	3.9	73	<0.1	31.3	19.9	884	4.10	10.8	1.0	<0.5	1.9	50	<0.1	0.4	<0.1	125	2.15	0.080
62001	Rock	0.8	21.2	2.6	66	<0.1	28.0	19.0	792	3.87	14.1	0.7	<0.5	1.9	31	<0.1	0.3	<0.1	90	1.08	0.068
62002	Rock	0.9	24.9	2.8	71	<0.1	29.3	19.7	830	3.99	13.2	0.4	<0.5	2.1	25	<0.1	0.3	<0.1	81	0.73	0.081
62003	Rock	0.8	27.0	2.5	63	<0.1	25.0	17.6	666	3.76	17.4	0.5	<0.5	1.9	21	<0.1	0.3	<0.1	70	0.38	0.078
62004	Rock	0.7	23.3	2.5	62	<0.1	28.4	17.9	640	3.55	15.5	0.4	<0.5	1.7	23	<0.1	0.3	<0.1	69	0.50	0.068
62005	Rock	0.8	29.4	2.6	60	<0.1	29.4	17.5	780	3.83	15.6	0.3	<0.5	1.4	26	<0.1	0.3	<0.1	78	1.48	0.062
62006	Rock	1.2	73.3	3.4	63	0.3	52.2	21.4	1136	4.21	23.1	0.4	29.9	0.8	49	<0.1	0.6	<0.1	78	6.84	0.075
62007	Rock	6.8	52.2	2.4	31	1.9	37.5	14.4	752	2.28	65.2	0.5	361.3	0.2	79	<0.1	1.4	<0.1	35	5.95	0.062
62013	Rock	0.4	24.6	7.1	54	0.5	19.3	18.3	549	3.20	140.5	0.4	48.6	0.8	10	<0.1	2.5	0.1	32	0.43	0.053
62033	Rock	1.3	29.1	8.0	63	0.4	37.3	19.3	817	3.96	121.2	0.8	8.3	0.8	19	0.2	5.4	0.1	60	2.50	0.076
62026	Rock	0.3	32.8	7.2	90	0.2	54.2	24.6	723	4.66	106.7	0.3	5.6	1.3	12	<0.1	4.1	0.1	59	0.53	0.084
62019	Rock	0.3	23.0	4.7	65	0.1	29.9	16.8	822	4.09	13.5	0.3	3.3	0.9	18	<0.1	0.8	0.1	61	1.64	0.068
62020	Rock	0.5	28.9	5.1	58	0.1	26.8	16.6	818	4.05	12.7	0.4	5.9	1.0	16	<0.1	0.8	<0.1	68	0.75	0.070
62021	Rock	0.3	21.4	4.0	79	0.1	39.8	18.9	776	4.16	23.9	0.4	1.6	1.2	17	<0.1	1.1	<0.1	55	1.50	0.085
62022	Rock	0.2	23.4	4.1	64	0.1	34.0	16.4	688	3.49	20.7	0.4	2.2	1.2	11	<0.1	0.9	0.1	47	0.55	0.084
62024	Rock	0.1	21.6	6.4	69	0.1	36.3	18.0	608	3.53	91.2	0.5	2.7	1.1	21	<0.1	4.4	0.1	46	1.20	0.092
62011	Rock	1.8	22.3	3.9	27	3.9	33.3	15.1	545	3.17	201.3	0.2	188.1	0.6	11	0.1	15.4	<0.1	62	0.28	0.079
62012	Rock	0.2	21.6	4.7	59	0.2	16.2	13.5	561	3.35	56.4	0.3	26.5	0.7	17	<0.1	0.9	<0.1	31	1.92	0.043
62017	Rock	0.6	38.6	6.1	54	0.2	26.1	16.7	642	3.39	39.0	0.5	22.3	1.1	50	<0.1	1.3	<0.1	54	0.72	0.066
62015	Rock	0.5	22.3	4.8	47	0.7	18.7	14.4	596	2.99	123.1	0.4	36.7	0.7	8	<0.1	2.8	<0.1	31	0.25	0.059
62041	Rock	0.2	37.3	4.6	82	0.3	97.2	32.9	949	5.19	24.3	0.2	6.9	0.8	31	0.1	0.9	<0.1	83	0.72	0.127
62042	Rock	0.3	44.8	3.8	73	0.2	67.2	26.0	820	4.67	11.2	0.3	3.7	1.2	47	<0.1	0.6	<0.1	109	0.87	0.132
62014	Rock	0.4	21.5	4.5	67	0.3	22.7	16.4	609	3.75	62.5	0.3	17.3	0.7	9	<0.1	1.2	<0.1	38	0.32	0.050
62032	Rock	0.2	28.2	7.1	51	0.3	35.0	17.5	487	3.10	142.3	0.3	4.5	0.8	23	<0.1	4.8	0.1	41	2.29	0.072
62018	Rock	0.4	35.6	4.8	53	0.1	32.0	15.5	692	3.52	20.4	0.4	4.5	0.6	11	0.1	1.0	0.2	52	0.34	0.066

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.





852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

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800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project: Pon35

Report Date: December 17, 2007

Page: 2 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN07000489 2

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	3B Au ppb	G6 Au GM/T	7AR Ag GM/T
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	2
62028	Rock			11	29	0.27	50	<0.001	4	0.67	0.002	0.07	0.2	0.11	9.0	<0.1	0.05	2	<0.5	N.A.	N.A.	N.A.
62029	Rock			14	32	0.32	28	<0.001	4	1.00	0.010	0.11	0.2	0.12	9.8	<0.1	0.06	3	<0.5	N.A.	N.A.	N.A.
62030	Rock			11	34	0.65	40	<0.001	3	1.32	0.013	0.13	0.1	0.13	6.2	<0.1	0.13	4	<0.5	N.A.	N.A.	N.A.
62031	Rock			12	21	2.16	98	0.184	3	2.62	0.040	0.08	<0.1	<0.01	4.8	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62027	Rock			23	21	0.45	79	0.001	3	0.70	0.003	0.09	0.1	0.19	8.7	<0.1	0.05	2	0.6	N.A.	N.A.	N.A.
62000	Rock			11	40	2.37	28	0.248	3	1.96	0.052	0.06	<0.1	<0.01	12.0	<0.1	<0.05	11	<0.5	N.A.	N.A.	N.A.
62001	Rock			11	27	2.21	40	0.048	3	1.98	0.045	0.08	<0.1	<0.01	8.9	<0.1	0.05	9	<0.5	N.A.	N.A.	N.A.
62002	Rock			12	29	2.24	36	0.012	2	2.09	0.048	0.07	<0.1	<0.01	9.3	<0.1	<0.05	10	<0.5	N.A.	N.A.	N.A.
62003	Rock			10	27	1.99	32	0.010	3	1.90	0.045	0.09	<0.1	<0.01	8.2	<0.1	<0.05	10	<0.5	N.A.	N.A.	N.A.
62004	Rock			11	26	1.80	40	0.009	2	1.90	0.040	0.08	<0.1	<0.01	7.5	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62005	Rock			11	21	0.72	36	0.017	4	1.29	0.016	0.07	<0.1	0.10	8.5	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
62006	Rock			8	28	0.40	24	0.005	3	0.77	0.004	0.05	<0.1	0.43	9.5	<0.1	0.11	2	<0.5	N.A.	N.A.	N.A.
62007	Rock			4	24	0.91	7	0.001	<1	0.32	0.004	0.06	<0.1	0.22	3.1	0.2	0.19	1	0.8	346	N.A.	2
62013	Rock			9	17	0.16	40	<0.001	1	0.73	0.003	0.16	<0.1	0.09	3.7	0.3	0.06	2	<0.5	N.A.	N.A.	N.A.
62033	Rock			10	22	0.10	173	0.001	2	0.78	0.002	0.06	0.1	0.09	10.4	<0.1	0.33	2	0.9	N.A.	N.A.	N.A.
62026	Rock			15	32	0.24	30	<0.001	2	1.06	0.003	0.10	0.2	0.21	9.3	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62019	Rock			12	30	0.27	37	0.002	2	0.89	0.002	0.08	0.1	0.03	7.0	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62020	Rock			14	29	0.18	51	0.004	2	0.82	0.005	0.08	<0.1	0.04	8.5	<0.1	<0.05	2	<0.5	N.A.	N.A.	N.A.
62021	Rock			12	35	0.48	33	<0.001	<1	1.28	0.003	0.10	0.1	0.01	6.3	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62022	Rock			11	28	0.51	38	<0.001	1	1.29	0.006	0.13	0.1	0.02	6.3	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62024	Rock			12	36	0.91	60	0.001	2	1.76	0.011	0.13	0.1	0.12	6.2	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62011	Rock			8	39	0.07	24	0.010	<1	0.42	0.002	0.07	<0.1	0.55	6.5	1.2	0.11	1	1.0	1111	N.A.	5
62012	Rock			8	15	0.13	29	<0.001	2	0.60	0.002	0.16	<0.1	0.04	4.1	0.2	<0.05	2	<0.5	N.A.	N.A.	N.A.
62017	Rock			12	37	0.74	74	0.046	1	1.69	0.019	0.13	<0.1	0.06	6.3	0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62015	Rock			8	18	0.18	42	<0.001	2	0.77	0.002	0.15	<0.1	0.12	3.5	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62041	Rock			13	121	2.07	513	0.038	<1	2.50	0.020	0.07	<0.1	0.10	7.3	<0.1	0.15	10	1.4	N.A.	N.A.	N.A.
62042	Rock			13	88	1.94	218	0.094	2	2.36	0.254	0.07	<0.1	0.04	7.5	<0.1	0.07	8	0.8	N.A.	N.A.	N.A.
62014	Rock			8	22	0.37	42	<0.001	<1	1.07	0.001	0.12	<0.1	0.10	4.1	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62032	Rock			12	23	0.21	26	<0.001	1	0.81	0.010	0.11	0.1	0.06	7.5	<0.1	0.12	3	<0.5	N.A.	N.A.	N.A.
62018	Rock			10	36	0.30	39	0.010	1	0.91	0.005	0.05	<0.1	0.09	7.7	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Strongbow Exploration Inc.**

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: Pon35

Report Date: December 17, 2007

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**CERTIFICATE OF ANALYSIS**

**VAN07000489.2**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
62016	Rock	0.7	25.6	5.5	58	0.5	22.0	17.6	667	3.74	90.5	0.4	21.2	0.8	13	0.1	2.1	<0.1	50	0.46	0.064
62009	Rock	1.3	80.8	6.3	20	5.6	47.1	24.3	210	3.07	595.1	0.8	687.9	0.4	13	<0.1	38.8	<0.1	54	0.51	0.239
62010	Rock	3.0	39.0	5.5	13	6.7	28.5	16.4	109	2.13	453.1	0.6	1484	0.3	10	<0.1	36.2	<0.1	34	0.44	0.208
62034	Rock	0.3	51.2	5.8	56	0.5	39.5	20.0	773	3.96	13.7	0.3	6.8	0.6	56	0.1	1.0	<0.1	66	5.28	0.079
62035	Rock	0.3	36.2	2.6	85	<0.1	77.1	26.9	879	4.74	5.3	0.3	2.1	1.0	17	0.1	0.2	<0.1	50	0.92	0.137
62036	Rock	0.4	51.5	2.5	102	<0.1	101.6	33.4	1072	5.94	7.7	0.3	1.8	1.2	18	<0.1	0.4	<0.1	72	0.88	0.167
62008	Rock	1.5	46.9	3.2	53	1.1	61.5	23.2	930	4.01	187.8	0.7	308.9	0.4	49	0.1	4.6	<0.1	66	4.18	0.145
62043	Rock	0.3	34.5	3.5	66	<0.1	38.0	17.0	547	4.36	11.4	0.5	2.8	1.1	31	0.1	0.7	<0.1	85	0.75	0.092
62044	Rock	1.3	28.5	7.2	45	0.4	25.4	18.0	675	3.59	151.1	0.4	90.5	0.9	22	0.1	4.7	<0.1	47	0.71	0.074
62037	Rock	0.8	62.1	3.7	77	0.2	52.6	26.7	954	5.43	21.9	0.4	5.5	1.2	14	0.1	1.5	<0.1	46	0.42	0.133
62025	Rock	24.3	145.6	33.3	103	19.1	15.7	19.2	878	3.64	14.8	0.4	9446	0.9	55	3.4	0.3	0.2	76	1.23	0.069
62635	Rock	0.4	44.9	3.5	66	<0.1	44.3	21.1	828	4.48	2.0	0.2	4.8	0.9	73	<0.1	<0.1	<0.1	92	2.20	0.148
62023	Rock	0.2	23.5	6.7	69	0.1	32.4	16.4	896	4.21	24.0	0.3	2.4	1.2	12	<0.1	1.3	<0.1	54	0.52	0.083
62038	Rock	0.4	93.0	2.6	100	0.1	115.0	39.3	1106	7.03	29.3	0.2	2.5	0.4	26	<0.1	0.6	<0.1	92	0.64	0.142
62039	Rock	0.2	23.6	1.6	85	<0.1	102.8	33.1	1114	5.91	23.8	0.2	11.0	0.5	48	<0.1	0.3	<0.1	88	1.08	0.136
62040	Rock	0.2	19.3	3.0	83	<0.1	81.8	28.4	808	5.78	23.4	0.3	24.3	0.6	22	<0.1	1.4	<0.1	74	0.66	0.135
62600	Rock	6.2	39.5	3.2	24	3.7	29.8	12.9	268	2.33	213.5	0.4	1003	0.2	14	<0.1	9.5	<0.1	31	1.39	0.127
62601	Rock	5.8	32.3	4.6	42	3.0	36.4	16.5	460	3.03	211.4	0.3	1096	0.5	34	<0.1	8.8	<0.1	40	1.76	0.072
62602	Rock	24.8	148.7	32.5	107	18.0	15.9	19.4	810	3.48	16.3	0.4	9865	0.9	58	3.4	0.3	0.2	72	1.22	0.062
62603	Rock	0.8	27.0	7.4	54	1.1	27.9	18.1	567	3.45	165.3	0.2	55.4	0.7	32	<0.1	11.9	0.1	34	0.81	0.087
62604	Rock	0.2	18.6	5.8	51	0.2	17.4	13.3	496	3.16	71.5	0.2	9.8	0.7	45	<0.1	4.2	<0.1	27	2.95	0.046
62605	Rock	0.3	22.8	4.2	46	0.1	17.8	12.1	410	2.95	30.6	0.2	31.2	0.8	15	<0.1	2.0	<0.1	24	1.43	0.061
62606	Rock	0.2	23.5	2.9	66	<0.1	26.3	12.6	490	3.17	6.6	0.3	9.4	0.9	38	<0.1	0.3	<0.1	55	2.55	0.072
62607	Rock	0.4	23.8	2.1	58	0.1	19.5	15.8	704	3.60	8.7	0.3	24.8	0.7	59	<0.1	0.3	<0.1	77	0.94	0.070
62608	Rock	0.2	19.0	1.8	61	<0.1	20.1	16.9	749	3.45	6.8	0.3	9.8	0.7	59	<0.1	0.2	<0.1	70	1.47	0.069
62609	Rock	0.3	19.6	2.1	60	0.2	20.6	15.8	653	3.48	12.2	0.3	82.0	0.7	40	<0.1	0.2	<0.1	69	0.79	0.061
62610	Rock	0.3	26.0	2.7	42	0.1	15.4	9.2	511	2.36	6.2	0.3	14.3	0.6	18	<0.1	0.7	<0.1	37	0.52	0.047
62611	Rock	0.9	18.2	3.1	62	<0.1	22.9	14.8	473	3.65	5.3	0.3	8.9	0.7	11	<0.1	0.4	<0.1	47	0.60	0.047
62612	Rock	0.9	18.6	2.9	59	<0.1	22.7	13.8	420	3.54	5.1	0.3	5.2	0.7	12	<0.1	0.4	<0.1	45	0.66	0.048
62613	Rock	0.1	19.3	2.1	75	<0.1	23.4	16.8	592	3.92	9.1	0.3	4.8	0.9	24	<0.1	0.2	<0.1	69	0.78	0.071

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

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Report Date:

December 17, 2007

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Part 2

## CERTIFICATE OF ANALYSIS

VAN07000489.2

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	G6	7AR			
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au	Au	Ag
				ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	GM/T	GM/T	
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	2	0.01	2	
62016	Rock			9	24	0.27	56	0.004	2	1.02	0.005	0.12	<0.1	0.07	5.4	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62009	Rock			6	40	0.04	11	0.002	<1	0.53	0.002	0.09	0.2	1.19	5.9	5.1	0.26	2	2.3	597	N.A.	5
62010	Rock			4	21	0.03	7	0.002	<1	0.40	0.002	0.09	0.2	1.45	2.9	5.1	0.28	2	2.9	1228	N.A.	7
62034	Rock			9	48	1.42	52	0.002	2	0.83	0.004	0.04	<0.1	0.08	9.4	<0.1	0.74	2	0.8	N.A.	N.A.	N.A.
62035	Rock			17	105	0.90	35	0.001	2	1.77	0.003	0.12	<0.1	0.05	8.0	<0.1	0.08	6	<0.5	N.A.	N.A.	N.A.
62036	Rock			19	125	1.28	34	0.002	3	2.18	0.003	0.09	<0.1	0.04	11.0	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62008	Rock			11	56	1.20	20	0.005	<1	0.64	0.005	0.06	<0.1	0.23	8.4	0.5	0.11	2	0.6	259	N.A.	<2
62043	Rock			11	56	2.02	68	0.206	1	2.64	0.039	0.08	0.3	<0.01	6.0	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62044	Rock			10	18	0.39	49	0.014	2	0.92	0.016	0.11	<0.1	0.13	4.8	0.2	<0.05	3	<0.5	N.A.	N.A.	N.A.
62037	Rock			18	58	0.33	60	0.006	4	1.09	0.004	0.18	<0.1	0.07	8.8	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62025	Rock			7	27	0.95	85	0.068	2	1.86	0.060	0.24	0.3	0.06	6.2	0.3	1.06	6	1.6	N.A.	9.84	17
62635	Rock			11	34	2.37	44	0.123	2	2.50	0.057	0.06	<0.1	<0.01	8.0	<0.1	<0.05	10	<0.5	N.A.	N.A.	N.A.
62023	Rock			14	28	0.48	70	<0.001	3	1.31	0.007	0.11	0.1	0.05	8.1	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62038	Rock			13	111	2.04	54	0.005	3	3.09	0.007	0.10	<0.1	0.06	12.1	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62039	Rock			12	105	3.25	175	0.010	2	3.84	0.028	0.07	<0.1	0.01	9.4	<0.1	<0.05	12	<0.5	N.A.	N.A.	N.A.
62040	Rock			13	111	1.93	94	0.035	2	2.59	0.014	0.14	0.1	0.02	8.1	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62600	Rock			5	26	0.15	21	0.002	2	0.45	0.003	0.07	0.1	0.24	3.6	0.4	0.58	1	1.2	835	N.A.	4
62601	Rock			7	24	0.49	73	0.016	2	0.77	0.013	0.11	<0.1	0.33	4.0	0.7	0.41	2	0.9	1281	N.A.	2
62602	Rock			7	25	0.93	91	0.066	3	1.83	0.059	0.24	0.3	0.06	6.1	0.3	1.03	5	1.4	N.A.	8.61	18
62603	Rock			9	16	0.17	40	0.002	3	0.65	0.005	0.19	<0.1	0.09	4.6	0.9	0.08	2	<0.5	N.A.	N.A.	N.A.
62604	Rock			9	11	0.32	27	<0.001	3	0.52	0.002	0.15	<0.1	0.03	4.6	1.0	0.09	2	<0.5	N.A.	N.A.	N.A.
62605	Rock			10	10	0.10	30	<0.001	3	0.56	0.002	0.17	<0.1	0.03	4.4	0.3	<0.05	2	<0.5	N.A.	N.A.	N.A.
62606	Rock			12	26	0.77	60	<0.001	3	1.53	0.014	0.10	<0.1	<0.01	7.3	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
62607	Rock			8	39	1.56	149	0.002	2	2.35	0.086	0.06	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62608	Rock			9	39	1.64	229	0.002	2	2.38	0.071	0.06	<0.1	0.01	6.2	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62609	Rock			9	39	1.44	78	0.002	2	2.34	0.060	0.07	<0.1	0.01	7.6	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62610	Rock			8	20	0.41	61	0.003	2	1.08	0.013	0.09	<0.1	0.01	5.0	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62611	Rock			8	16	0.15	32	<0.001	3	0.72	0.004	0.10	<0.1	0.04	5.5	<0.1	<0.05	2	<0.5	N.A.	N.A.	N.A.
62612	Rock			8	15	0.14	31	<0.001	3	0.72	0.003	0.10	<0.1	0.04	5.4	<0.1	<0.05	2	<0.5	N.A.	N.A.	N.A.
62613	Rock			13	37	2.33	91	<0.001	3	2.96	0.018	0.04	0.1	<0.01	8.1	<0.1	<0.05	10	<0.5	N.A.	N.A.	N.A.

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Part 1

## CERTIFICATE OF ANALYSIS

VAN07000489.2

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
62614	Rock			<0.1	21.5	1.5	67	<0.1	21.0	15.7	531	3.90	6.6	0.3	2.1	0.9	27	<0.1	0.2	<0.1	57	0.66	0.060
62615	Rock			0.2	24.1	1.7	58	0.1	16.2	12.9	503	3.38	8.3	0.4	2.1	0.7	23	<0.1	0.4	0.1	54	0.67	0.058
62616	Rock			<0.1	22.5	1.5	67	<0.1	20.9	15.3	537	3.87	6.5	0.3	<0.5	0.8	26	<0.1	0.2	<0.1	57	0.61	0.061
62617	Rock			<0.1	23.4	2.0	72	<0.1	20.3	16.3	524	4.24	6.3	0.4	<0.5	1.0	22	<0.1	0.2	0.2	59	0.62	0.071
62618	Rock			<0.1	25.3	2.8	60	<0.1	18.0	14.6	490	3.46	7.4	0.4	<0.5	0.8	25	<0.1	0.3	<0.1	52	0.83	0.059
62619	Rock			0.1	27.9	2.8	61	<0.1	19.5	15.8	586	3.82	8.8	0.3	1.7	0.8	17	<0.1	0.2	<0.1	52	0.35	0.077
62620	Rock			<0.1	22.3	3.1	67	<0.1	22.8	18.1	646	4.32	10.4	0.3	3.1	0.9	29	<0.1	0.2	<0.1	60	0.43	0.074
62621	Rock			0.2	21.2	3.1	58	<0.1	16.6	15.1	737	3.55	3.7	0.4	<0.5	0.8	59	<0.1	0.5	<0.1	73	0.99	0.075
62622	Rock			<0.1	19.5	3.3	65	<0.1	19.5	16.9	767	4.04	4.8	0.4	<0.5	0.8	45	<0.1	0.3	<0.1	80	0.70	0.079
62623	Rock			<0.1	11.9	2.2	66	<0.1	19.8	16.4	347	3.74	5.6	0.3	1.7	0.9	19	<0.1	0.2	<0.1	58	0.32	0.077
62624	Rock			<0.1	18.6	4.2	54	<0.1	15.3	13.7	349	2.90	8.1	0.4	73.5	0.9	48	<0.1	0.7	0.2	39	0.53	0.066
62625	Rock			0.1	17.7	3.2	65	<0.1	20.1	15.2	516	3.86	9.2	0.5	8.9	1.2	28	<0.1	0.8	<0.1	55	0.37	0.071
62626	Rock			<0.1	15.2	3.0	60	<0.1	18.0	15.3	500	3.63	7.6	0.4	77.1	1.1	25	<0.1	0.7	<0.1	51	0.36	0.068
62627	Rock			0.1	13.7	3.3	64	<0.1	16.6	14.4	662	3.37	9.2	0.5	1.6	1.0	26	<0.1	0.9	<0.1	44	0.41	0.057
62628	Rock			<0.1	18.5	5.7	64	<0.1	18.4	16.9	585	3.42	7.0	0.9	0.7	1.3	28	<0.1	1.4	<0.1	54	0.33	0.053
62667	Rock			0.2	22.8	3.9	59	<0.1	32.4	20.9	1046	3.73	7.1	0.2	1.8	0.8	50	0.1	0.3	<0.1	62	3.02	0.088
62668	Rock			0.3	19.0	3.3	57	<0.1	24.2	17.4	869	3.55	5.6	0.2	1.4	0.9	18	<0.1	0.5	<0.1	45	1.50	0.094
62669	Rock			0.1	15.2	2.3	59	<0.1	24.1	15.7	1285	2.97	6.4	0.2	2.3	0.9	32	0.1	0.2	<0.1	22	2.65	0.077
62670	Rock			<0.1	17.8	3.0	72	<0.1	27.1	17.1	1247	3.41	7.6	0.2	0.7	0.9	32	<0.1	0.3	<0.1	26	2.58	0.080
62671	Rock			0.1	13.6	3.8	59	<0.1	24.8	18.8	1187	3.52	9.9	0.3	1.5	1.3	20	<0.1	0.8	<0.1	22	0.69	0.075
62672	Rock			0.1	14.9	3.3	64	<0.1	28.7	18.7	1297	2.94	12.4	0.3	6.6	1.2	14	0.1	0.6	<0.1	18	0.42	0.073
62673	Rock			0.9	3.2	1.9	75	<0.1	29.3	22.2	1420	3.52	6.0	0.2	7.3	0.9	24	0.1	0.2	<0.1	34	1.06	0.074
62674	Rock			0.2	6.9	2.3	86	<0.1	35.3	28.2	1305	4.30	10.5	0.3	13.0	1.3	21	<0.1	0.4	<0.1	32	0.56	0.105
62675	Rock			0.1	3.2	3.9	72	<0.1	35.6	24.4	737	3.82	18.0	0.4	7.3	1.4	24	<0.1	1.3	<0.1	22	0.38	0.092
62676	Rock			0.1	26.7	5.3	88	<0.1	50.7	27.4	586	4.44	13.9	0.6	35.6	1.7	24	<0.1	1.8	<0.1	30	0.52	0.130
62045	Rock			1.0	22.6	4.3	50	0.7	30.7	14.7	427	2.62	82.8	0.3	107.4	0.6	26	<0.1	1.1	<0.1	41	0.29	0.049
62046	Rock			2.1	20.3	5.9	45	2.5	34.1	12.6	312	2.74	195.8	0.3	1674	0.6	28	<0.1	3.7	<0.1	45	0.27	0.042
62047	Rock			1.8	21.2	5.3	31	3.8	25.4	10.2	216	2.11	217.4	0.2	1940	0.4	19	<0.1	3.9	<0.1	38	0.18	0.032
62048	Rock			3.0	23.7	6.3	33	1.4	22.2	9.6	220	2.23	141.3	0.4	385.6	0.5	16	<0.1	2.5	<0.1	35	0.16	0.031
62049	Rock			0.9	19.7	4.2	47	0.4	31.0	13.7	485	2.58	57.5	0.3	110.2	0.5	19	<0.1	1.2	<0.1	49	0.24	0.041

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# AcmeLabs

ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

Pon35

Report Date:

December 17, 2007

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Part 2

## CERTIFICATE OF ANALYSIS

**VAN07000489.2**

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Tl ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	3B Au ppb	G6 Au GM/T	7AR Ag GM/T
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	
62614	Rock			12	38	2.16	106	<0.001	2	3.00	0.032	0.08	<0.1	0.02	5.8	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62615	Rock			10	28	1.91	108	<0.001	2	2.52	0.016	0.08	<0.1	0.02	4.2	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62616	Rock			11	38	2.14	105	<0.001	2	3.03	0.032	0.08	<0.1	0.02	6.0	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62617	Rock			12	39	2.10	104	<0.001	3	3.12	0.022	0.12	<0.1	<0.01	5.1	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62618	Rock			10	35	2.01	79	0.001	3	2.83	0.023	0.11	<0.1	<0.01	5.4	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62619	Rock			8	37	1.91	93	0.001	2	2.87	0.019	0.14	<0.1	<0.01	4.1	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62620	Rock			9	44	2.08	102	0.001	2	3.29	0.033	0.11	<0.1	0.01	5.8	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62621	Rock			9	40	1.78	79	0.003	2	2.63	0.131	0.05	<0.1	0.02	7.3	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62622	Rock			9	46	2.12	165	0.003	3	3.08	0.087	0.06	<0.1	0.03	8.8	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62623	Rock			7	42	1.40	100	0.002	2	2.43	0.038	0.09	<0.1	0.01	7.2	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62624	Rock			8	29	1.08	790	0.002	2	1.91	0.027	0.13	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62625	Rock			9	36	1.37	242	0.009	3	2.26	0.025	0.12	<0.1	<0.01	4.3	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62626	Rock			8	32	1.39	171	0.007	2	2.14	0.023	0.12	<0.1	<0.01	4.3	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62627	Rock			8	36	1.96	98	0.006	2	2.55	0.030	0.12	<0.1	<0.01	5.0	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62628	Rock			10	36	1.88	87	0.013	3	2.40	0.043	0.11	<0.1	<0.01	4.4	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62667	Rock			15	52	0.41	43	0.002	3	0.77	0.003	0.08	<0.1	0.01	9.5	<0.1	0.18	2	0.5	N.A.	N.A.	N.A.
62668	Rock			16	38	0.40	69	0.002	3	1.17	0.003	0.13	<0.1	<0.01	7.9	<0.1	0.12	4	0.6	N.A.	N.A.	N.A.
62669	Rock			14	35	0.84	337	0.002	2	1.70	0.004	0.15	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
62670	Rock			15	42	1.06	215	0.002	3	1.95	0.005	0.13	<0.1	<0.01	5.4	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62671	Rock			17	36	0.99	194	0.014	4	1.65	0.004	0.17	<0.1	<0.01	4.9	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62672	Rock			12	31	1.46	130	0.009	2	1.88	0.004	0.19	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62673	Rock			13	65	2.19	120	0.002	2	2.75	0.021	0.11	<0.1	<0.01	5.7	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62674	Rock			15	62	2.86	157	0.007	1	3.23	0.017	0.15	<0.1	<0.01	4.5	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
62675	Rock			14	35	1.68	191	0.021	3	2.00	0.006	0.20	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
62676	Rock			20	48	1.71	158	0.040	3	2.17	0.008	0.19	<0.1	<0.01	3.8	<0.1	<0.05	6	0.6	N.A.	N.A.	N.A.
62045	Rock			6	49	1.41	30	0.020	2	1.67	0.019	0.18	<0.1	0.01	3.2	0.4	0.43	5	2.3	2489	N.A.	2
62046	Rock			6	43	1.11	40	0.019	2	1.39	0.017	0.15	<0.1	0.06	3.2	0.5	0.42	4	2.2	2324	N.A.	4
62047	Rock			4	37	0.81	23	0.013	<1	1.04	0.011	0.12	<0.1	0.06	2.2	0.2	0.40	4	1.0	483	N.A.	2
62048	Rock			5	26	0.69	15	0.004	<1	1.06	0.005	0.18	<0.1	0.03	2.1	0.2	0.40	4	1.0	483	N.A.	2
62049	Rock			5	58	1.56	27	0.016	<1	1.76	0.006	0.14	<0.1	0.03	3.5	<0.1	0.10	7	<0.5	153	N.A.	<2

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ACME ANALYTICAL LABORATORIES LTD.  
 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: Pon35  
 Report Date: December 17, 2007

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CERTIFICATE OF ANALYSIS

VAN07000489.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
62639	Rock	0.8	22.9	3.3	59	0.6	22.1	15.3	398	2.90	101.3	0.3	62.8	0.9	13	<0.1	1.8	<0.1	56	0.37	0.071
62640	Rock	1.0	18.2	3.2	58	0.7	24.5	14.8	428	2.91	102.3	0.3	186.0	0.9	13	<0.1	1.4	<0.1	57	0.30	0.070
62641	Rock	7.8	13.1	5.6	49	1.7	19.0	14.6	378	3.21	250.8	0.4	225.1	0.7	16	<0.1	7.5	<0.1	50	0.26	0.053
62642	Rock	2.6	23.2	3.8	42	1.0	21.8	14.2	431	3.09	133.6	0.3	67.9	0.6	20	<0.1	3.2	<0.1	48	0.28	0.041
62643	Rock	24.8	11.3	4.1	15	3.2	8.5	4.9	130	1.44	179.0	0.3	1488	0.2	11	<0.1	5.3	<0.1	31	0.13	0.030
62644	Rock	10.6	16.5	6.1	29	2.1	16.3	10.2	223	1.93	212.1	0.3	1095	0.5	13	<0.1	4.4	<0.1	34	0.16	0.032
62645	Rock	0.9	16.6	3.6	42	0.6	27.1	13.5	516	2.83	67.7	0.3	101.3	0.8	24	<0.1	1.0	<0.1	59	0.29	0.046
62646	Rock	0.4	13.4	3.3	46	0.7	25.2	13.1	483	2.96	68.8	0.3	187.1	0.5	18	<0.1	0.9	<0.1	49	0.26	0.042
62647	Rock	0.6	59.6	3.2	73	1.0	111.1	34.0	1136	5.91	88.2	0.6	49.3	0.5	13	0.2	2.5	<0.1	78	0.58	0.210
62648	Rock	0.7	14.8	3.1	75	0.1	51.0	21.9	1056	4.35	22.1	0.7	28.1	0.7	47	0.1	0.4	<0.1	66	5.36	0.078
62649	Rock	0.4	26.8	2.0	71	<0.1	55.2	23.1	816	4.64	4.3	0.2	7.0	0.5	15	0.1	0.2	<0.1	77	1.12	0.119
62650	Rock	0.3	26.0	1.9	74	<0.1	60.5	23.7	745	4.42	3.9	0.2	4.0	0.6	23	<0.1	0.1	<0.1	81	1.27	0.137
62651	Rock	0.1	24.9	1.9	92	<0.1	73.8	26.4	798	5.36	4.3	0.2	3.9	0.7	48	<0.1	<0.1	<0.1	102	1.49	0.146
62652	Rock	0.2	32.2	2.1	101	<0.1	75.8	30.5	1095	5.26	3.4	0.2	6.3	0.7	35	<0.1	<0.1	<0.1	100	1.57	0.145
62653	Rock	<0.1	27.6	1.5	90	<0.1	71.1	27.9	961	4.98	5.5	0.1	6.1	0.6	29	<0.1	0.1	<0.1	91	1.54	0.131
62654	Rock	0.1	23.2	1.7	81	<0.1	70.7	28.7	1086	4.87	4.6	0.2	4.2	0.8	22	<0.1	<0.1	<0.1	83	0.64	0.141
62655	Rock	<0.1	26.8	1.7	69	<0.1	60.3	22.5	778	4.45	5.5	0.2	3.3	0.9	15	<0.1	0.2	<0.1	58	0.58	0.110
62656	Rock	0.2	32.3	1.3	79	<0.1	62.4	23.6	951	4.29	7.3	0.2	1.7	1.1	33	<0.1	0.1	<0.1	32	2.24	0.113
62657	Rock	0.2	12.3	2.2	89	0.1	65.0	26.2	1165	4.86	13.7	0.3	3.7	1.2	14	<0.1	0.1	<0.1	43	0.64	0.156
62658	Rock	0.3	39.5	1.7	82	<0.1	60.6	22.4	1093	4.31	12.3	0.4	0.7	1.1	18	<0.1	0.3	<0.1	33	0.98	0.174
62659	Rock	0.2	25.9	3.1	64	<0.1	37.6	15.2	1100	4.04	11.5	0.4	2.0	1.0	26	0.1	0.2	0.1	37	2.15	0.237
62660	Rock	0.2	30.9	2.5	59	<0.1	34.6	13.7	835	3.20	8.4	0.3	1.0	0.9	19	<0.1	0.2	<0.1	32	1.32	0.121
62661	Rock	0.1	35.5	2.2	70	<0.1	45.1	17.7	1033	3.95	6.5	0.2	1.5	0.9	10	<0.1	0.2	<0.1	40	0.45	0.092
62662	Rock	0.2	31.9	4.0	79	<0.1	47.1	20.9	1156	4.56	4.8	0.2	2.4	0.9	20	0.3	0.2	<0.1	46	1.66	0.114
62663	Rock	0.2	36.4	3.4	100	<0.1	63.3	23.9	1211	4.75	8.9	0.2	3.0	1.1	14	0.3	0.2	<0.1	50	0.70	0.139
62664	Rock	0.2	40.9	2.9	95	<0.1	60.9	27.2	951	4.86	11.3	0.3	1.6	1.1	13	0.1	0.3	<0.1	57	0.64	0.148
62665	Rock	0.2	54.2	3.8	95	<0.1	62.1	27.2	1063	4.93	17.6	0.3	1.7	1.1	19	<0.1	0.3	<0.1	55	1.12	0.138
62666	Rock	0.2	40.0	5.2	62	0.1	40.9	20.5	1392	4.18	32.0	0.3	2.0	0.9	22	0.2	0.3	<0.1	54	1.36	0.154
62629	Rock	43.9	26.3	9.3	52	1.7	16.0	12.1	407	3.05	179.0	0.3	116.1	0.6	18	<0.1	4.8	<0.1	55	0.81	0.039
62630	Rock	11.6	22.1	9.3	45	1.0	16.2	13.5	354	2.60	152.1	0.2	102.8	0.5	18	<0.1	6.6	<0.1	53	0.93	0.039

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ACME ANALYTICAL LABORATORIES LTD.  
852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project: Pon35

Report Date: December 17, 2007

Page: 5 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN07000489.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	G6	7AR	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au	Au	Ag	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	GM/T	GM/T	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	2	
62639	Rock	8	65	1.60	17	0.004	1	1.89	0.015	0.12	<0.1	0.02	4.8	0.2	0.11	9	0.5	N.A.	N.A.	N.A.
62640	Rock	9	63	1.58	21	0.006	1	1.88	0.015	0.12	<0.1	0.02	4.8	0.2	0.10	9	<0.5	193	N.A.	<2
62641	Rock	6	31	1.46	56	0.018	1	1.78	0.011	0.18	<0.1	0.27	4.0	0.5	0.18	7	0.9	216	N.A.	2
62642	Rock	6	36	1.73	45	0.013	2	2.04	0.023	0.16	<0.1	0.08	4.4	0.3	0.14	8	<0.5	N.A.	N.A.	N.A.
62643	Rock	2	21	0.27	35	0.003	<1	0.43	0.004	0.09	<0.1	0.07	1.2	0.4	0.54	2	1.6	1765	N.A.	5
62644	Rock	5	33	0.59	34	0.004	<1	0.86	0.006	0.14	<0.1	0.05	2.3	0.5	0.29	3	1.1	1168	N.A.	2
62645	Rock	7	57	1.51	27	0.025	<1	1.78	0.018	0.13	<0.1	0.02	4.0	<0.1	0.11	8	<0.5	121	N.A.	<2
62646	Rock	6	61	1.68	22	0.011	<1	1.88	0.009	0.14	<0.1	0.01	4.4	<0.1	0.13	9	1.0	219	N.A.	<2
62647	Rock	20	105	0.16	16	0.002	2	0.98	0.004	0.13	<0.1	0.20	11.5	0.4	0.06	3	0.5	N.A.	N.A.	N.A.
62648	Rock	12	48	2.53	44	0.015	3	1.80	0.020	0.12	<0.1	0.04	6.1	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
62649	Rock	13	61	0.16	28	0.003	3	0.88	0.004	0.07	<0.1	0.04	10.2	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62650	Rock	16	102	1.10	59	0.002	3	2.03	0.012	0.08	<0.1	0.02	10.6	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62651	Rock	18	153	2.12	128	0.002	3	3.29	0.025	0.06	<0.1	0.01	12.0	<0.1	<0.05	11	<0.5	N.A.	N.A.	N.A.
62652	Rock	17	160	2.01	113	0.001	2	3.24	0.025	0.07	<0.1	0.02	10.1	<0.1	<0.05	10	<0.5	N.A.	N.A.	N.A.
62653	Rock	16	153	2.04	79	0.001	2	3.21	0.020	0.05	<0.1	0.02	9.2	<0.1	<0.05	11	<0.5	N.A.	N.A.	N.A.
62654	Rock	16	161	1.72	78	0.003	2	2.85	0.021	0.07	<0.1	<0.01	9.2	<0.1	<0.05	9	0.7	N.A.	N.A.	N.A.
62655	Rock	15	120	1.24	63	0.004	3	2.30	0.012	0.13	<0.1	0.02	7.0	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62656	Rock	15	98	1.48	159	0.002	2	2.41	0.004	0.13	<0.1	<0.01	4.5	<0.1	<0.05	6	0.7	N.A.	N.A.	N.A.
62657	Rock	16	122	2.76	82	0.001	2	3.34	0.004	0.10	0.1	0.02	6.1	<0.1	<0.05	9	<0.5	N.A.	N.A.	N.A.
62658	Rock	17	109	2.39	84	0.002	2	2.91	0.004	0.14	0.1	0.02	4.2	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
62659	Rock	18	68	1.42	92	0.002	3	2.18	0.002	0.12	0.5	0.01	6.7	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62660	Rock	14	48	0.91	78	0.002	3	1.64	0.003	0.17	0.3	0.01	5.0	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
62661	Rock	15	64	1.45	63	0.001	3	2.25	0.003	0.14	0.3	<0.01	5.5	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62662	Rock	19	61	0.88	54	0.001	2	1.83	0.003	0.14	0.2	0.01	6.8	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
62663	Rock	22	77	0.75	43	0.002	3	1.64	0.007	0.11	0.1	0.01	8.2	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
62664	Rock	17	62	0.17	61	0.002	4	1.05	0.007	0.16	0.2	0.01	8.7	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
62665	Rock	15	63	0.19	63	0.002	2	1.07	0.004	0.15	<0.1	0.01	8.5	<0.1	0.06	3	<0.5	N.A.	N.A.	N.A.
62666	Rock	21	51	0.22	110	0.002	3	1.08	0.004	0.09	0.1	0.02	10.4	<0.1	0.54	2	<0.5	N.A.	N.A.	N.A.
62629	Rock	7	34	1.73	24	0.001	1	1.88	0.010	0.15	4.6	0.06	4.0	0.5	0.27	8	0.6	123	N.A.	2
62630	Rock	6	31	1.41	22	0.002	2	1.56	0.008	0.15	1.5	0.07	3.6	0.9	0.33	6	0.6	105	N.A.	<2

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Strongbow Exploration Inc.**  
 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: Pon35  
 Report Date: December 17, 2007

Page: 6 of 6 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN07000489.2**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
62631	Rock	6.8	17.9	6.4	43	1.1	13.9	11.1	253	2.53	227.2	0.3	671.7	0.7	23	<0.1	4.3	<0.1	56	1.05	0.056
62632	Rock	4.9	19.7	6.0	56	0.6	16.6	14.9	289	2.69	174.7	0.2	75.6	0.6	29	<0.1	2.8	<0.1	60	0.62	0.065
62633	Rock	1.0	14.8	7.5	57	0.6	16.5	16.1	358	3.24	218.2	0.2	64.3	0.5	22	<0.1	4.1	<0.1	48	0.45	0.072
62634	Rock	1.3	22.4	6.9	58	0.7	18.0	16.6	387	3.09	173.8	0.3	59.3	0.6	19	<0.1	3.0	<0.1	66	0.28	0.065
62636	Rock	10.1	22.3	8.2	55	0.9	18.9	13.3	458	3.39	131.9	0.3	116.4	0.6	13	<0.1	2.8	<0.1	52	0.21	0.049
62637	Rock	3.8	19.7	7.2	30	5.3	12.7	11.1	212	2.47	485.7	0.4	1408	0.6	19	<0.1	19.2	<0.1	49	0.16	0.028
62638	Rock	5.4	15.9	4.1	18	7.5	11.8	6.7	178	1.72	243.7	0.2	8263	0.3	13	<0.1	8.2	<0.1	62	0.70	0.262
62100	Rock	0.5	32.9	4.0	59	0.9	28.3	15.5	879	2.99	195.2	0.5	284.5	1.0	28	<0.1	2.0	<0.1	79	1.28	0.059
62101	Rock	26.5	164.3	38.8	104	18.2	19.7	21.5	869	3.71	15.7	0.5	9822	1.0	61	3.3	0.4	0.2	64	0.73	0.264
62102	Rock	0.4	34.1	4.0	57	0.8	28.7	16.1	919	3.07	193.4	0.5	150.4	1.0	29	<0.1	1.9	<0.1	61	0.19	0.063
62103	Rock	4.5	19.0	4.0	52	1.3	24.7	11.6	399	3.05	120.6	0.3	196.0	0.9	13	<0.1	2.9	<0.1	39	0.21	0.092
62104	Rock	35.0	17.4	3.3	24	5.5	23.1	11.5	222	2.34	212.8	0.4	912.3	0.5	13	<0.1	9.6	<0.1	51	0.21	0.085
62105	Rock	21.1	23.6	1.5	29	4.1	58.1	34.4	494	2.53	183.5	0.2	1401	0.3	13	<0.1	6.5	<0.1	32	0.18	0.078
62106	Rock	23.3	20.0	1.4	13	3.2	31.8	8.2	117	2.10	118.0	0.2	716.5	0.2	14	<0.1	4.5	<0.1	43	0.25	0.086
62107	Rock	10.1	19.4	1.7	18	2.8	46.7	13.4	246	1.66	96.1	0.4	928.5	0.2	15	<0.1	3.9	<0.1	25	0.31	0.049
62108	Rock	9.4	18.3	1.8	12	4.7	31.2	8.7	153	1.23	60.5	0.2	1206	0.1	14	0.1	2.6	<0.1	5	0.02	0.006
48518	Rock	1.1	2.5	0.9	2	0.2	3.3	1.0	34	0.43	7.3	<0.1	327.9	<0.1	3	<0.1	0.4	<0.1	73	5.15	0.138
55193	Rock	0.3	22.1	3.3	46	<0.1	72.9	21.8	990	3.76	5.3	0.4	2.8	0.8	141	<0.1	5.0	<0.1	7	3.46	0.077
55194	Rock	0.3	2.1	0.3	3	<0.1	5.8	1.2	480	0.38	4.2	0.7	1.5	<0.1	126	<0.1	0.3	<0.1	29	0.48	0.052
55195	Rock	0.7	3.6	1.7	19	<0.1	30.5	8.7	264	1.67	5.0	0.1	4.7	0.3	10	<0.1	<0.1	<0.1	27	7.62	0.024
55196	Rock	0.2	19.0	3.4	18	<0.1	6.4	5.4	1648	1.50	<0.5	<0.1	2.4	<0.1	268	0.2	<0.1	<0.1			

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: Pon35

Report Date: December 17, 2007

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CERTIFICATE OF ANALYSIS

VAN07000489.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	G6	7AR	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au	Au	Ag	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	GM/T	GM/T	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	2	
62631	Rock	9	31	0.93	23	0.001	<1	1.33	0.012	0.12	0.1	0.06	3.6	0.4	0.49	5	1.1	719	N.A.	<2
62632	Rock	9	35	1.26	33	0.003	2	1.81	0.026	0.13	<0.1	0.05	3.8	0.5	0.30	7	0.7	N.A.	N.A.	N.A.
62633	Rock	8	36	1.68	32	0.005	1	2.07	0.028	0.12	<0.1	0.08	4.4	0.7	0.30	8	0.7	N.A.	N.A.	N.A.
62634	Rock	10	32	1.83	24	0.005	<1	2.11	0.018	0.18	<0.1	0.03	3.6	0.7	0.22	8	<0.5	N.A.	N.A.	N.A.
62636	Rock	8	38	2.17	17	0.004	<1	2.30	0.008	0.18	<0.1	0.03	4.7	0.6	0.10	10	<0.5	127	N.A.	<2
62637	Rock	5	26	0.70	39	0.002	1	1.04	0.007	0.18	<0.1	0.07	2.6	0.9	0.28	5	2.0	1404	N.A.	6
62638	Rock	4	28	0.49	21	0.005	1	0.79	0.009	0.09	0.1	0.09	2.1	0.5	0.31	3	1.9	N.A.	7.54	8
62100	Rock	9	62	1.51	31	0.015	2	1.83	0.006	0.23	0.2	0.02	4.5	0.1	0.18	8	0.6	218	N.A.	<2
62101	Rock	8	29	0.97	87	0.085	2	1.98	0.061	0.26	0.4	0.06	6.9	0.3	1.10	6	1.8	N.A.	10.06	18
62102	Rock	9	66	1.54	30	0.015	2	1.88	0.006	0.21	0.2	0.02	4.3	0.1	0.17	8	0.7	378	N.A.	<2
62103	Rock	5	57	1.51	23	0.003	1	1.83	0.003	0.17	<0.1	0.04	3.8	0.2	0.12	9	0.7	135	N.A.	<2
62104	Rock	4	35	0.52	45	0.004	1	0.84	0.003	0.16	0.1	0.15	2.3	0.4	0.55	4	2.2	939	N.A.	5
62105	Rock	7	52	0.76	24	0.009	<1	1.12	0.007	0.10	<0.1	0.27	3.0	0.6	0.49	5	2.0	2073	N.A.	5
62106	Rock	4	50	0.35	17	0.006	1	0.57	0.005	0.08	<0.1	0.30	2.3	0.4	0.41	2	2.0	834	N.A.	4
62107	Rock	6	33	0.59	12	0.005	2	0.85	0.005	0.07	0.1	0.15	2.4	0.4	0.11	3	0.8	902	N.A.	2
62108	Rock	4	26	0.27	27	0.008	2	0.43	0.009	0.06	0.2	0.11	1.4	0.3	0.23	2	1.1	1181	N.A.	5
48518	Rock	<1	26	0.02	6	0.002	<1	0.11	0.002	0.04	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	336	N.A.	<2
55193	Rock	13	93	2.77	101	0.033	15	2.22	0.039	0.07	<0.1	0.12	9.5	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
55194	Rock	<1	18	1.43	84	<0.001	<1	0.11	0.002	<0.01	<0.1	3.38	0.3	<0.1	<0.05	<1	<0.5	N.A.	N.A.	N.A.
55195	Rock	4	30	0.75	77	0.001	<1	1.03	0.006	0.08	<0.1	0.03	1.7	<0.1	0.27	3	0.5	N.A.	N.A.	N.A.
55196	Rock	3	15	1.07	31	0.001	<1	1.08	0.003	0.05	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Strongbow Exploration Inc.  
 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

**Project:** Pon35  
**Report Date:** December 17, 2007

**Page:** 1 of 3 **Part** 1

**QUALITY CONTROL REPORT**

**VAN07000489.2**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
62003	Rock	0.8	27.0	2.5	63	<0.1	25.0	17.6	666	3.76	17.4	0.5	<0.5	1.9	21	<0.1	0.3	<0.1	70	0.38	0.078
REP 62003	QC	0.8	27.9	2.5	63	<0.1	26.4	17.8	663	3.76	17.5	0.5	<0.5	1.9	20	<0.1	0.3	<0.1	70	0.36	0.078
62010	Rock	3.0	39.0	5.5	13	6.7	28.5	16.4	109	2.13	453.1	0.6	1484	0.3	10	<0.1	36.2	<0.1	34	0.44	0.208
REP 62010	QC	2.8	39.8	5.5	13	6.7	29.4	16.5	108	2.13	453.1	0.6	1544	0.3	11	<0.1	35.7	<0.1	34	0.43	0.206
62627	Rock	0.1	13.7	3.3	64	<0.1	16.6	14.4	662	3.37	9.2	0.5	1.6	1.0	26	<0.1	0.9	<0.1	44	0.41	0.057
REP 62627	QC	<0.1	13.7	2.9	60	<0.1	17.7	15.9	654	3.37	8.0	0.4	1.3	0.9	24	<0.1	0.8	<0.1	44	0.34	0.062
62650	Rock	0.3	26.0	1.9	74	<0.1	60.5	23.7	745	4.42	3.9	0.2	4.0	0.6	23	<0.1	0.1	<0.1	81	1.27	0.137
REP 62650	QC	0.2	24.9	2.2	72	<0.1	61.0	23.7	739	4.24	4.3	0.2	5.4	0.6	24	<0.1	0.1	<0.1	79	1.22	0.120
62629	Rock	43.9	26.3	9.3	52	1.7	16.0	12.1	407	3.05	179.0	0.3	116.1	0.6	18	<0.1	4.8	<0.1	55	0.81	0.039
REP 62629	QC																				
62630	Rock	11.6	22.1	9.3	45	1.0	16.2	13.5	354	2.60	152.1	0.2	102.8	0.5	18	<0.1	6.6	<0.1	53	0.93	0.039
REP 62630	QC	11.6	22.6	9.1	45	1.2	17.1	14.1	371	2.66	156.2	0.3	101.6	0.5	19	<0.1	6.9	<0.1	55	0.97	0.039
62636	Rock	10.1	22.3	8.2	55	0.9	16.9	13.3	458	3.39	131.9	0.3	116.4	0.6	13	<0.1	2.8	<0.1	66	0.28	0.065
REP 62636	QC																				
Reference Materials																					
STD DS7	Standard	20.9	101.4	69.1	388	0.9	57.8	9.4	614	2.39	48.5	4.5	115.9	4.2	68	6.1	5.8	4.6	83	0.96	0.075
STD DS7	Standard	21.0	103.8	68.3	382	0.8	56.0	9.0	599	2.36	46.0	4.5	64.5	4.2	68	5.5	5.5	4.3	81	0.96	0.073
STD DS7	Standard	21.6	109.5	77.5	398	1.0	57.5	9.7	628	2.47	46.2	5.7	73.5	5.3	79	6.1	6.4	4.8	87	0.98	0.073
STD DS7	Standard	22.2	110.6	75.5	394	0.9	59.4	9.6	628	2.46	48.3	5.4	64.0	5.1	77	6.1	6.4	4.7	84	1.01	0.072
STD DS7	Standard	23.2	108.5	67.5	406	0.8	58.7	11.0	631	2.46	46.8	5.8	67.4	4.7	70	5.8	6.0	4.3	87	0.98	0.071
STD DS7	Standard	23.8	103.2	66.6	389	0.8	59.5	9.4	635	2.36	43.8	5.3	60.5	5.4	73	6.4	5.7	4.2	82	0.95	0.073
STD DS7	Standard	20.2	104.5	67.0	377	0.8	52.4	9.0	600	2.34	47.5	4.8	69.2	4.5	76	6.4	5.9	4.6	78	0.95	0.079
STD DS7	Standard	20.3	99.4	64.5	387	0.8	54.7	9.1	618	2.39	48.9	4.6	63.1	4.3	76	6.4	5.4	4.3	80	0.95	0.080
STD DS7	Standard	21.6	105.8	72.4	425	0.8	54.7	9.4	621	2.51	51.5	5.5	98.0	4.7	74	6.3	6.2	4.8	81	0.97	0.087
STD DS7	Standard	21.3	104.3	69.1	408	0.9	54.8	9.5	633	2.44	49.1	5.0	80.0	4.4	73	5.9	6.2	4.6	82	0.96	0.080
STD DS7	Standard	22.3	111.8	64.1	420	0.9	63.0	10.6	656	2.53	51.1	4.9	81.4	4.3	73	6.6	5.7	4.7	87	1.06	0.079
STD DS7	Standard	22.7	109.3	60.6	411	0.9	61.2	10.3	650	2.48	48.0	4.8	77.1	4.4	76	6.2	5.6	4.3	88	1.06	0.078
STD DS7	Standard	21.9	102.8	68.0	416	0.9	58.9	9.9	609	2.45	48.2	4.8	71.0	4.3	79	6.2	6.1	4.3	77	0.99	0.083

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: Pon35  
 Report Date: December 17, 2007

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

VAN07000489.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	G6	7AR	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au	Au	Ag	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	GM/T	GM/T	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	2	
Pulp Duplicates																				
62003	Rock	10	27	1.99	32	0.010	3	1.90	0.045	0.09	<0.1	<0.01	8.2	<0.1	<0.05	10	<0.5	N.A.	N.A.	N.A.
REP 62003	QC	10	26	1.99	33	0.010	2	1.90	0.043	0.08	<0.1	<0.01	7.8	<0.1	<0.05	9	<0.5	1228	N.A.	7
62010	Rock	4	21	0.03	7	0.002	<1	0.40	0.002	0.09	0.2	1.45	2.9	5.1	0.28	2	2.9			
REP 62010	QC	4	21	0.03	6	0.002	<1	0.40	0.002	0.09	0.2	1.48	3.0	5.1	0.28	2	2.7			
62627	Rock	8	36	1.96	98	0.006	2	2.55	0.030	0.12	<0.1	<0.01	5.0	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
REP 62627	QC	7	36	1.96	91	0.005	2	2.55	0.030	0.10	<0.1	<0.01	4.4	<0.1	<0.05	6	<0.5			
62650	Rock	16	102	1.10	59	0.002	3	2.03	0.012	0.08	<0.1	0.02	10.6	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
REP 62650	QC	16	105	1.06	53	0.002	2	1.94	0.009	0.09	<0.1	0.02	9.6	<0.1	<0.05	7	<0.5			
62629	Rock	7	34	1.73	24	0.001	1	1.88	0.010	0.15	4.6	0.06	4.0	0.5	0.27	8	0.6	123	N.A.	2
REP 62629	QC																			<2
62630	Rock	6	31	1.41	22	0.002	2	1.56	0.008	0.15	1.5	0.07	3.6	0.9	0.33	6	0.6	105	N.A.	<2
REP 62630	QC	7	33	1.44	23	0.002	2	1.60	0.008	0.15	2.7	0.07	3.8	0.9	0.34	7	0.6			
62636	Rock	8	38	2.17	17	0.004	<1	2.30	0.008	0.18	<0.1	0.03	4.7	0.6	0.10	10	<0.5	127	N.A.	<2
REP 62636	QC																	130		
Reference Materials																				
STD DS7	Standard	13	204	1.09	379	0.112	36	1.00	0.091	0.42	4.2	0.22	2.5	4.2	0.20	5	3.8			
STD DS7	Standard	12	195	1.06	369	0.111	37	0.99	0.089	0.41	3.9	0.20	2.5	4.0	0.20	5	3.7			
STD DS7	Standard	14	212	1.10	368	0.131	40	1.03	0.095	0.42	4.2	0.21	2.7	4.4	0.21	5	3.2			
STD DS7	Standard	14	220	1.09	367	0.133	38	1.06	0.097	0.43	4.3	0.20	2.7	4.2	0.20	5	3.5			
STD DS7	Standard	13	235	1.08	378	0.133	40	1.04	0.092	0.42	3.7	0.19	2.7	3.9	0.21	5	3.7			
STD DS7	Standard	13	231	1.02	360	0.138	36	1.00	0.088	0.43	3.8	0.19	2.5	4.0	0.20	5	3.6			
STD DS7	Standard	12	198	1.02	375	0.106	40	0.99	0.087	0.47	3.9	0.20	2.7	4.3	0.18	4	3.4			
STD DS7	Standard	12	205	1.03	356	0.104	42	1.01	0.089	0.44	3.7	0.18	2.6	4.1	0.18	4	3.3			
STD DS7	Standard	13	205	1.08	402	0.123	42	1.04	0.098	0.48	3.8	0.19	2.5	4.5	0.20	5	3.5			
STD DS7	Standard	13	203	1.05	393	0.119	41	1.03	0.097	0.48	3.9	0.20	2.8	4.1	0.19	4	3.6			
STD DS7	Standard	15	231	1.13	385	0.140	45	1.13	0.105	0.44	4.2	0.21	3.1	4.7	0.20	5	3.9			
STD DS7	Standard	15	229	1.10	397	0.142	35	1.14	0.107	0.43	3.9	0.21	3.3	4.5	0.20	5	4.0			
STD DS7	Standard	13	220	1.07	404	0.116	42	1.03	0.092	0.46	4.4	0.20	2.8	4.3	0.20	5	4.0			

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 Phone (604) 253-3158 Fax (604) 253-1716

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800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

**Project:** Pon35

**Report Date:** December 17, 2007

**Page:** 2 of 3 **Part** 1

**QUALITY CONTROL REPORT**

**VAN07000489.2**

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	22.7	108.9	65.5	412	0.9	61.4	10.2	612	2.43	47.9	4.6	67.6	4.4	85	6.5	5.9	4.2	77	1.01	0.077
STD DS7	Standard	20.2	105.5	72.2	393	0.9	53.0	8.7	631	2.44	50.3	5.3	72.0	5.2	86	7.0	7.1	4.9	84	1.02	0.079
STD DS7	Standard	21.1	105.8	70.9	398	0.8	55.2	8.8	625	2.45	50.1	5.3	87.4	5.1	84	6.3	6.2	4.5	84	1.02	0.078
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXK48	Standard																				
STD OXK48	Standard																				
STD OXK48	Standard																				
STD R3A	Standard																				
STD R3A	Standard																				
STD R3A	Standard																				
STD R3A	Standard																				
STD R3A	Standard																				
STD R3A	Standard																				
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
STD OXD57 Expected																					
STD R3A Expected																					
STD OXK48 Expected																					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	6	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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 Phone (604) 253-3158 Fax (604) 253-1716

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 Vancouver BC V6C 2T6 Canada

Project: Pon35

Report Date: December 17, 2007

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QUALITY CONTROL REPORT

VAN07000489.2

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	G6	7AR	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au	Au	Ag
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	GM/T	GM/T
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	2
STD DS7	Standard	14	225	1.06	400	0.121	46	1.07	0.100	0.45	4.4	0.19	2.9	4.3	0.19	5	4.0			
STD DS7	Standard	15	205	1.07	409	0.123	43	1.09	0.101	0.48	3.3	0.21	3.0	4.4	0.20	5	3.8			
STD DS7	Standard	15	211	1.08	390	0.124	41	1.10	0.104	0.48	3.9	0.21	3.1	4.3	0.20	5	3.5			
STD OXD57	Standard																	418		
STD OXD57	Standard																	419		
STD OXD57	Standard																	424		
STD OXD57	Standard																		3.59	
STD OXK48	Standard																		3.62	
STD OXK48	Standard																		3.80	
STD OXK48	Standard																			200
STD R3A	Standard																			198
STD R3A	Standard																			197
STD R3A	Standard																			196
STD R3A	Standard																			201
STD R3A	Standard																			197
STD R3A	Standard																			
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5	413		
STD OXD57 Expected																				197
STD R3A Expected																				3.557
STD OXK48 Expected																				
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			<2
BLK	Blank																			4

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 Phone (604) 253-3158 Fax (604) 253-1716

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Project: Pon35

Report Date: December 17, 2007

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QUALITY CONTROL REPORT

VAN07000489.2

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1	Prep Blank	0.4	3.2	6.7	52	<0.1	4.1	4.4	543	1.97	<0.5	2.1	10.1	4.2	58	<0.1	<0.1	<0.1	35	0.47	0.081	
G1	Prep Blank	0.5	3.6	7.5	52	<0.1	4.2	4.6	612	1.97	0.6	2.1	3.3	4.4	59	<0.1	<0.1	<0.1	35	0.47	0.080	

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QUALITY CONTROL REPORT

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	G6	7AR		
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au	Au	Ag	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	GM/T	GM/T	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	2	0.01	2	
BLK	Blank																			<0.01	
BLK	Blank																			<0.01	
BLK	Blank																			<2	
BLK	Blank																			<2	
BLK	Blank																			<2	
BLK	Blank																			<0.01	
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	7	8	0.63	206	0.126	1	1.00	0.066	0.55	0.1	<0.01	1.9	0.3	0.07	5	<0.5	N.A.	N.A.	N.A.	
G1	Prep Blank	7	8	0.63	223	0.127	<1	1.00	0.066	0.55	0.1	<0.01	1.9	0.4	<0.05	5	<0.5	N.A.	N.A.	N.A.	

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project:

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Part 1

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CERTIFICATE OF ANALYSIS

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%					
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01					
73000	Rock Pulp	<0.01	13.5	110.7	23.1	92	8.3	15.5	18.7	951	3.76	10.2	0.6	4622	1.8	121	1.5	0.3	0.2	94	2.15				
73001	Rock	0.80	0.3	52.0	4.9	74	<0.1	63.2	21.4	731	4.39	3.4	0.2	5.4	0.4	65	0.1	<0.1	<0.1	114	1.60				
73002	Drill Core	3.60	0.7	48.1	4.1	62	<0.1	22.8	17.5	676	3.61	3.4	1.1	1.9	2.0	63	<0.1	<0.1	<0.1	114	1.99				
73003	Drill Core	1.90	0.9	31.2	3.3	53	<0.1	23.3	16.7	554	3.49	2.1	0.8	1.8	2.1	135	<0.1	<0.1	<0.1	110	2.37				
73004	Drill Core	2.80	1.2	14.4	3.6	61	<0.1	25.2	17.9	730	3.57	6.1	0.9	2.0	1.9	86	<0.1	0.2	<0.1	124	1.06				
73005	Drill Core	2.10	1.0	20.4	3.6	59	<0.1	24.6	17.5	643	3.76	6.1	1.1	1.6	1.9	67	<0.1	0.5	<0.1	81	3.27				
73006	Drill Core	1.70	0.5	34.4	2.2	59	<0.1	27.4	18.5	709	3.55	6.3	0.4	1.0	1.3	77	<0.1	0.3	<0.1	77	6.98				
73007	Drill Core	1.10	0.6	17.7	2.2	45	<0.1	27.9	12.3	926	3.42	6.4	0.2	1.0	1.0	75	<0.1	0.6	<0.1	63	7.33				
73008	Drill Core	1.00	0.6	16.7	4.2	58	0.2	33.8	19.6	1406	3.97	10.0	5.6	9.9	0.5	72	0.2	0.3	<0.1	62	5.28				
73009	Drill Core	2.30	0.2	21.3	3.6	50	<0.1	15.9	13.6	911	3.32	1.6	0.4	1.0	0.6	103	0.1	<0.1	<0.1	50	2.49				
73010	Drill Core	2.10	0.2	23.0	2.8	57	<0.1	30.4	16.3	643	2.93	4.3	0.3	0.7	0.5	58	0.1	0.1	<0.1	41	3.43				
73011	Drill Core	2.00	<0.1	12.3	1.3	39	<0.1	16.2	9.7	554	2.25	1.5	0.1	<0.5	0.5	90	<0.1	0.1	<0.1	42	4.63				
73012	Drill Core	2.40	0.2	16.1	1.8	52	<0.1	18.8	16.6	945	3.78	5.7	0.2	1.6	0.4	102	<0.1	0.1	<0.1	57	2.96				
73013	Drill Core	3.90	0.2	22.1	1.6	55	<0.1	21.5	14.6	651	2.82	1.6	0.2	2.3	0.5	85	<0.1	<0.1	<0.1	49	3.44				
73014	Drill Core	4.20	0.2	23.9	2.3	58	<0.1	20.8	14.6	604	3.14	1.4	0.2	1.7	0.7	121	<0.1	<0.1	<0.1	43	5.45				
73015	Drill Core	0.90	0.1	15.2	2.7	64	<0.1	20.7	17.3	971	4.29	1.3	0.3	<0.5	0.7	166	0.1	<0.1	<0.1	32	10.75				
73016	Drill Core	1.50	0.4	11.4	4.9	54	0.1	18.4	16.4	1086	3.66	2.6	0.4	2.5	0.5	248	<0.1	<0.1	<0.1	30	3.36				
73017	Drill Core	2.30	0.1	27.5	2.3	25	<0.1	10.9	7.4	522	1.64	1.4	0.3	<0.5	0.9	158	<0.1	<0.1	<0.1	34	4.03				
73018	Drill Core	2.50	0.2	28.7	6.2	54	<0.1	23.7	16.3	918	3.44	1.7	0.3	0.8	0.9	180	0.1	<0.1	<0.1	40	3.04				
73019	Drill Core	0.90	0.2	26.8	3.0	50	<0.1	21.5	13.3	791	2.82	2.2	0.3	0.7	0.7	172	0.1	<0.1	<0.1	45	3.10				
73020	Drill Core	1.10	0.2	22.8	3.6	61	<0.1	25.8	16.3	858	3.44	1.5	0.3	<0.5	0.8	172	<0.1	<0.1	<0.1	50	3.12				
73021	Drill Core	2.30	0.1	24.5	2.6	55	<0.1	24.7	14.2	825	2.90	2.0	0.3	<0.5	0.8	126	0.1	<0.1	<0.1	43	3.84				
73022	Drill Core	2.50	0.1	25.9	2.3	56	<0.1	20.4	14.5	724	2.94	1.8	0.2	<0.5	0.6	115	0.1	<0.1	<0.1	40	3.26				
73023	Drill Core	0.70	0.2	26.0	2.2	50	<0.1	22.5	12.6	835	2.54	1.8	0.1	1.1	0.7	100	0.1	<0.1	<0.1	38	4.37				
73024	Drill Core	2.10	0.2	35.8	2.5	49	0.1	24.7	12.3	650	2.42	3.2	0.2	<0.5	0.9	131	0.2	<0.1	<0.1	87	2.03				
73025	Rock Pulp	<0.01	13.3	111.6	25.1	82	7.8	15.0	17.2	861	3.53	8.9	0.6	4443	1.9	118	1.7	0.3	0.2	47	3.75				
73026	Drill Core	1.50	0.6	26.1	4.4	32	<0.1	14.4	9.8	781	2.63	1.4	0.3	1.9	0.7	68	0.2	0.2	<0.1	41	4.71				
73027	Drill Core	1.80	0.3	38.6	4.4	39	0.1	18.8	11.9	952	2.82	2.6	0.6	1.3	0.6	44	0.2	0.1	<0.1	58	3.96				
73028	Drill Core	3.40	0.2	15.9	2.1	67	<0.1	28.3	17.6	792	3.39	1.1	0.2	<0.5	0.7	81	0.1	<0.1	<0.1	62	2.52				
73029	Drill Core	3.50	0.2	23.4	1.8	59	<0.1	23.9	16.2	697	3.14	0.9	0.2	<0.5	0.7	76	0.1	<0.1	<0.1						

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
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www.acmelab.com

Client: Strongbow Exploration Inc.

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Vancouver BC V6C 2T6 Canada

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
73000	Rock Pulp	0.084	13	22	1.11	102	0.089	5	2.26	0.119	0.26	0.2	0.04	6.5	0.2	0.72	8	0.9
73001	Rock	0.168	11	41	2.08	43	0.198	6	2.77	0.048	0.07	<0.1	<0.01	4.5	<0.1	<0.05	13	<0.5
73002	Drill Core	0.076	11	17	1.78	29	0.278	3	1.89	0.117	0.06	<0.1	<0.01	7.6	<0.1	<0.05	10	<0.5
73003	Drill Core	0.075	11	20	1.59	51	0.170	2	2.02	0.185	0.05	<0.1	<0.01	7.2	<0.1	<0.05	7	<0.5
73004	Drill Core	0.072	10	26	1.94	31	0.265	3	1.87	0.077	0.06	0.2	<0.01	9.1	<0.1	<0.05	9	<0.5
73005	Drill Core	0.075	10	21	2.43	40	0.229	4	1.91	0.075	0.07	<0.1	<0.01	8.8	<0.1	<0.05	9	<0.5
73006	Drill Core	0.062	10	25	1.67	36	0.008	3	2.07	0.075	0.06	<0.1	<0.01	6.9	<0.1	<0.05	8	<0.5
73007	Drill Core	0.055	8	22	1.99	44	0.015	4	0.76	0.008	0.04	<0.1	0.04	8.5	<0.1	<0.05	2	<0.5
73008	Drill Core	0.070	7	22	3.10	8	0.002	2	0.63	0.007	0.05	<0.1	0.19	7.9	<0.1	0.36	1	<0.5
73009	Drill Core	0.086	13	23	2.03	21	<0.001	3	0.79	0.007	0.08	<0.1	0.05	7.6	<0.1	0.24	2	<0.5
73010	Drill Core	0.083	10	24	0.96	12	<0.001	3	0.80	0.006	0.10	<0.1	0.03	6.4	<0.1	<0.05	2	<0.5
73011	Drill Core	0.093	12	24	0.58	24	<0.001	3	1.09	0.008	0.08	<0.1	0.04	5.5	<0.1	<0.05	4	<0.5
73012	Drill Core	0.072	10	28	1.02	20	<0.001	4	1.14	0.011	0.09	<0.1	0.02	4.6	<0.1	<0.05	7	<0.5
73013	Drill Core	0.071	10	51	1.48	17	<0.001	3	1.89	0.030	0.06	<0.1	0.04	4.7	<0.1	<0.05	4	<0.5
73014	Drill Core	0.081	13	40	1.32	63	<0.001	3	1.55	0.030	0.07	<0.1	0.01	5.0	<0.1	0.33	6	<0.5
73015	Drill Core	0.067	15	18	1.86	55	<0.001	4	0.81	0.024	0.07	<0.1	0.02	5.6	<0.1	0.09	2	<0.5
73016	Drill Core	0.043	12	17	3.15	50	<0.001	3	0.65	0.021	0.07	<0.1	0.13	4.1	<0.1	0.37	1	<0.5
73017	Drill Core	0.082	11	20	0.77	16	<0.001	4	0.90	0.021	0.09	<0.1	0.02	5.8	<0.1	0.09	2	<0.5
73018	Drill Core	0.092	16	24	1.54	33	<0.001	5	0.93	0.026	0.06	<0.1	0.03	6.1	<0.1	0.09	3	<0.5
73019	Drill Core	0.084	14	31	1.28	10	<0.001	4	1.29	0.030	0.05	<0.1	0.02	6.0	<0.1	<0.05	4	<0.5
73020	Drill Core	0.093	15	37	1.43	11	<0.001	5	1.52	0.033	0.05	<0.1	<0.01	6.0	<0.1	<0.05	5	<0.5
73021	Drill Core	0.089	14	44	1.47	16	<0.001	4	1.77	0.031	0.05	<0.1	0.01	6.0	<0.1	<0.05	6	<0.5
73022	Drill Core	0.082	12	44	1.18	35	<0.001	5	1.59	0.029	0.05	<0.1	0.02	4.8	<0.1	0.11	6	<0.5
73023	Drill Core	0.087	14	49	0.98	24	0.001	4	1.71	0.039	0.09	<0.1	0.01	5.1	<0.1	0.10	6	<0.5
73024	Drill Core	0.095	14	35	0.78	102	<0.001	6	1.33	0.017	0.07	<0.1	0.02	6.0	<0.1	0.30	4	<0.5
73025	Rock Pulp	0.076	13	21	1.07	93	0.087	4	2.20	0.105	0.21	0.2	0.04	6.7	0.2	0.67	7	0.8
73026	Drill Core	0.071	11	18	1.01	56	0.002	4	0.61	0.009	0.07	<0.1	<0.01	7.0	<0.1	0.95	1	0.5
73027	Drill Core	0.067	8	17	1.66	15	0.001	2	0.66	0.006	0.04	<0.1	0.08	7.9	<0.1	0.91	2	<0.5
73028	Drill Core	0.084	13	53	1.69	23	<0.001	3	2.02	0.022	0.04	<0.1	<0.01	7.6	<0.1	0.58	7	<0.5
73029	Drill Core	0.079	12	64	2.01	34	0.002	6	2.37	0.052	0.05	<0.1	0.01	6.2	<0.1	0.14	8	<0.5

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Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	ppm
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
73030	Drill Core	3.20	0.2	23.9	2.5	60	<0.1	22.5	14.6	893	3.20	1.1	0.2	0.8	0.7	89	<0.1	<0.1	<0.1		60	2.42
73031	Rock	0.50	0.4	7.6	5.8	62	<0.1	66.6	20.6	660	2.53	0.9	0.2	0.5	0.6	58	<0.1	<0.1	<0.1		58	1.29
73032	Drill Core	2.20	0.1	19.3	2.5	67	<0.1	25.7	17.5	585	3.49	1.1	0.3	0.5	0.9	87	<0.1	0.1	<0.1		67	1.53
73033	Drill Core	2.40	0.2	21.3	4.0	68	<0.1	23.7	18.3	563	3.60	1.6	0.4	1.5	0.9	83	<0.1	0.1	<0.1		79	1.64
73034	Drill Core	3.20	0.2	18.8	4.9	63	<0.1	21.9	14.3	432	3.24	1.4	0.6	0.8	0.8	74	<0.1	0.1	<0.1		78	1.06
73035	Drill Core	2.40	0.4	24.4	4.5	67	0.1	25.3	17.0	787	3.46	1.1	0.5	<0.5	0.8	82	0.1	0.2	<0.1		93	2.15
73036	Drill Core	3.80	0.4	23.6	2.9	62	<0.1	24.3	16.2	752	3.34	0.7	0.5	0.8	0.7	93	<0.1	<0.1	<0.1		89	2.30
73037	Drill Core	3.90	0.2	43.1	2.1	57	<0.1	23.2	14.0	671	2.85	1.4	0.5	<0.5	1.0	94	<0.1	0.1	<0.1		57	2.18
73038	Drill Core	3.20	0.2	27.5	2.4	72	<0.1	27.6	19.1	578	3.85	1.0	0.4	<0.5	1.0	99	<0.1	<0.1	<0.1		75	1.79
73039	Drill Core	2.20	0.1	39.4	3.0	67	<0.1	26.5	17.7	420	3.86	1.2	0.3	<0.5	1.0	106	<0.1	<0.1	<0.1		66	1.60
73040	Drill Core	2.70	0.2	34.2	2.7	63	<0.1	26.2	16.9	546	3.44	1.6	0.2	<0.5	0.8	100	<0.1	<0.1	<0.1		63	2.69
73041	Drill Core	3.50	0.2	33.0	2.4	55	<0.1	24.3	14.9	654	3.24	1.8	0.3	<0.5	1.0	103	<0.1	<0.1	<0.1		56	4.09
73042	Drill Core	3.80	0.1	28.1	1.9	62	<0.1	24.6	15.9	585	3.29	1.1	0.3	<0.5	1.0	87	<0.1	<0.1	<0.1		57	2.01
73043	Drill Core	2.90	0.1	35.3	2.5	62	<0.1	25.6	17.8	745	3.57	1.3	0.4	0.8	0.8	128	<0.1	<0.1	<0.1		65	3.04
73044	Drill Core	3.60	0.2	12.3	2.6	44	<0.1	17.3	13.2	682	2.57	1.0	0.3	<0.5	0.6	182	0.1	0.1	<0.1		51	5.78
73045	Drill Core	4.80	0.1	31.3	3.1	65	<0.1	26.8	20.0	600	3.35	0.8	0.4	0.7	0.9	111	<0.1	0.1	<0.1		61	1.66
73046	Drill Core	3.50	0.1	19.9	2.2	67	<0.1	26.7	18.7	471	3.39	1.2	0.3	<0.5	0.8	222	<0.1	<0.1	<0.1		63	2.49
73047	Drill Core	3.90	0.1	22.1	3.2	81	<0.1	33.7	30.3	1754	4.27	0.9	0.6	<0.5	1.1	176	0.3	<0.1	<0.1		78	1.28
73048	Drill Core	3.10	0.1	29.9	3.4	75	0.4	31.4	21.1	758	3.89	1.2	0.4	1.5	1.1	173	<0.1	<0.1	<0.1		98	1.46
73049	Drill Core	3.80	0.1	23.3	3.4	66	0.4	28.9	22.0	876	3.91	0.9	0.2	1.6	0.9	645	<0.1	<0.1	<0.1		71	1.94
73050	Rock Pulp	<0.01	14.0	118.3	26.5	85	7.5	15.6	18.5	894	3.76	8.9	0.6	3972	2.1	127	1.7	0.3	0.2		98	2.24
73051	Drill Core	3.60	0.6	27.5	2.1	59	0.4	28.0	18.7	840	3.51	0.8	0.2	1.2	0.6	264	0.1	<0.1	<0.1		87	3.82
73052	Drill Core	4.50	5.4	24.6	4.5	48	0.5	22.6	16.8	965	3.34	3.7	0.2	<0.5	0.7	232	<0.1	0.1	<0.1		73	7.38
73053	Drill Core	3.80	0.3	26.8	3.0	67	0.4	31.6	19.8	792	3.47	0.8	0.3	1.2	0.8	92	<0.1	<0.1	<0.1		75	4.10

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76  
 Report Date: December 14, 2007

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CERTIFICATE OF ANALYSIS

VAN07002476.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
73030	Drill Core	0.068	10	62	1.73	98	0.002	4	2.22	0.051	0.05	<0.1	0.01	6.0	<0.1	0.40	8	<0.5
73031	Rock	0.068	5	20	2.07	20	0.077	1	1.98	0.031	0.02	<0.1	<0.01	5.6	<0.1	<0.05	7	<0.5
73032	Drill Core	0.071	9	71	2.40	19	0.001	5	2.63	0.058	0.04	<0.1	0.01	6.2	<0.1	0.27	9	<0.5
73033	Drill Core	0.072	8	68	2.47	20	0.037	5	2.68	0.059	0.03	<0.1	<0.01	6.3	<0.1	0.10	9	<0.5
73034	Drill Core	0.083	7	66	2.02	17	0.094	4	2.38	0.073	0.03	<0.1	0.01	5.8	<0.1	<0.05	8	<0.5
73035	Drill Core	0.087	11	70	2.04	17	0.080	3	2.31	0.102	0.02	<0.1	<0.01	8.2	<0.1	<0.05	8	<0.5
73036	Drill Core	0.087	11	64	1.73	17	0.088	4	2.11	0.124	0.03	<0.1	<0.01	7.5	<0.1	0.16	7	<0.5
73037	Drill Core	0.102	11	63	1.41	13	0.002	5	1.96	0.067	0.04	<0.1	0.01	8.7	<0.1	0.35	8	<0.5
73038	Drill Core	0.092	12	72	2.13	10	0.008	5	2.58	0.079	0.04	<0.1	<0.01	7.4	<0.1	0.27	9	<0.5
73039	Drill Core	0.080	12	68	1.84	9	0.001	5	2.38	0.079	0.05	<0.1	<0.01	5.9	<0.1	0.43	9	<0.5
73040	Drill Core	0.087	12	58	1.49	11	0.001	6	2.14	0.057	0.06	<0.1	<0.01	9.0	<0.1	0.42	8	<0.5
73041	Drill Core	0.080	14	54	1.27	25	0.001	6	2.06	0.058	0.07	<0.1	<0.01	7.5	<0.1	0.05	8	<0.5
73042	Drill Core	0.078	11	62	1.42	17	0.001	4	2.06	0.056	0.06	<0.1	<0.01	7.3	<0.1	<0.05	8	<0.5
73043	Drill Core	0.083	13	62	1.39	17	0.001	5	2.08	0.063	0.09	<0.1	<0.01	7.5	<0.1	0.48	7	<0.5
73044	Drill Core	0.060	11	35	0.95	442	<0.001	5	1.43	0.052	0.07	<0.1	<0.01	5.7	<0.1	0.36	4	<0.5
73045	Drill Core	0.072	11	63	1.51	225	0.005	3	2.04	0.062	0.07	<0.1	<0.01	6.4	<0.1	0.49	7	<0.5
73046	Drill Core	0.084	13	67	1.82	136	<0.001	4	2.51	0.065	0.07	<0.1	<0.01	6.3	<0.1	0.14	8	<0.5
73047	Drill Core	0.088	10	70	1.63	65	0.099	4	2.54	0.060	0.09	<0.1	<0.01	5.3	<0.1	<0.05	8	<0.5
73048	Drill Core	0.098	11	82	2.25	17	0.114	4	2.77	0.078	0.04	<0.1	<0.01	7.0	<0.1	<0.05	9	<0.5
73049	Drill Core	0.077	11	74	1.60	89	0.004	4	2.32	0.062	0.06	<0.1	<0.01	6.7	<0.1	0.87	9	<0.5
73050	Rock Pulp	0.078	13	23	1.10	93	0.107	5	2.41	0.119	0.25	0.2	0.04	6.9	0.2	0.72	7	0.6
73051	Drill Core	0.090	13	71	1.32	167	0.007	4	2.07	0.082	0.04	<0.1	<0.01	8.1	<0.1	<0.05	8	<0.5
73052	Drill Core	0.083	13	45	0.83	193	0.002	4	1.46	0.031	0.04	<0.1	0.05	7.3	<0.1	0.81	5	<0.5
73053	Drill Core	0.097	13	66	1.26	112	0.002	3	2.14	0.063	0.05	<0.1	0.02	7.2	<0.1	0.52	8	<0.5

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Phone (604) 253-3158 Fax (604) 253-1716

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Vancouver BC V6C 2T6 Canada

Project: 76  
Report Date: December 14, 2007

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QUALITY CONTROL REPORT

VAN07002476.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
73035	Drill Core	2.40	0.4	24.4	4.5	67	0.1	25.3	17.0	787	3.46	1.1	0.5	<0.5	0.8	82	0.1	0.2	<0.1	93	2.15
REP 73035	QC		0.4	24.0	4.2	64	0.1	24.5	16.5	752	3.34	1.2	0.4	0.7	77	<0.1	0.2	<0.1	91	2.00	
Core Reject Duplicates																					
73027	Drill Core	1.80	0.3	38.6	4.4	39	0.1	18.8	11.9	952	2.82	2.6	0.6	1.3	0.6	44	0.2	0.1	<0.1	41	4.71
DUP 73027	QC	<0.01	0.3	39.3	4.4	36	0.1	17.6	11.6	902	2.77	2.4	0.6	1.0	0.5	41	0.2	<0.1	<0.1	40	4.55
Reference Materials																					
STD DS7	Standard		21.1	105.2	68.8	403	0.8	57.0	9.7	644	2.46	51.0	5.0	89.5	4.6	70	6.6	6.0	4.7	86	0.96
STD DS7	Standard		19.3	103.0	63.0	388	0.8	54.9	9.4	603	2.33	46.7	4.5	63.6	4.2	67	6.0	5.7	4.4	79	0.92
STD DS7	Standard		20.6	106.7	69.7	390	0.8	54.5	9.3	579	2.30	45.7	5.2	61.2	4.6	71	6.0	5.8	4.7	82	0.91
STD DS7	Standard		20.5	109.1	71.7	385	0.8	56.1	9.3	603	2.37	46.3	5.2	67.6	4.9	73	6.6	6.1	4.7	82	0.94
STD DS7	Standard		22.0	121.9	76.1	393	1.1	59.7	10.5	640	2.51	47.7	5.5	52.5	5.3	80	6.4	6.1	4.8	93	1.01
STD DS7	Standard		21.1	118.0	72.0	408	0.8	58.4	10.3	640	2.51	47.2	5.2	58.4	5.0	82	6.1	5.9	4.4	88	1.03
STD DS7 Expected			20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.6	2.4	4.2	47	<0.1	5.1	4.2	541	1.76	0.6	2.2	1.6	4.0	62	<0.1	0.2	<0.1	36	0.66
G1	Prep Blank	<0.01	0.3	2.5	4.3	50	<0.1	5.2	4.3	562	1.79	1.6	2.3	1.9	4.2	56	<0.1	0.2	<0.1	35	0.58

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 Phone (604) 253-3158 Fax (604) 253-1716

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Project: 76

Report Date: December 14, 2007

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QUALITY CONTROL REPORT

VAN07002476.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Tl	1DX15 S	1DX15 Ga	1DX15 Se	
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
				0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																					
73035	Drill Core			0.087	11	70	2.04	17	0.080	3	2.31	0.102	0.02	<0.1	<0.01	8.2	<0.1	<0.05	8	<0.5	
REP 73035	QC			0.084	11	68	2.00	16	0.080	2	2.21	0.101	0.02	<0.1	<0.01	7.9	<0.1	<0.05	7	<0.5	
Core Reject Duplicates																					
73027	Drill Core			0.067	8	17	1.66	15	0.001	2	0.66	0.006	0.04	<0.1	0.08	7.9	<0.1	0.91	2	<0.5	
DUP 73027	QC			0.065	8	16	1.57	47	0.001	2	0.66	0.006	0.04	<0.1	0.08	7.8	<0.1	0.94	1	<0.5	
Reference Materials																					
STD DS7	Standard			0.077	12	197	1.07	382	0.115	41	1.02	0.089	0.47	4.0	0.20	2.1	4.3	0.20	5	3.7	
STD DS7	Standard			0.074	11	183	1.02	371	0.106	39	0.97	0.084	0.46	3.6	0.19	2.0	4.0	0.18	5	3.4	
STD DS7	Standard			0.069	12	185	1.04	360	0.118	38	0.97	0.080	0.42	3.7	0.19	2.3	4.1	0.17	4	3.4	
STD DS7	Standard			0.072	13	188	1.04	377	0.124	40	1.00	0.081	0.44	3.8	0.21	2.6	4.2	0.18	5	3.5	
STD DS7	Standard			0.074	14	215	1.10	373	0.143	39	1.10	0.092	0.44	3.9	0.18	2.6	4.3	0.19	5	3.6	
STD DS7	Standard			0.076	14	212	1.07	369	0.143	38	1.13	0.093	0.44	4.0	0.19	2.5	4.3	0.20	5	3.5	
STD DS7 Expected				0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5	
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
Prep Wash																					
G1	Prep Blank			0.073	7	13	0.60	210	0.114	<1	1.01	0.077	0.51	0.1	<0.01	1.6	0.4	<0.05	5	<0.5	
G1	Prep Blank			0.077	6	14	0.63	215	0.112	1	0.99	0.065	0.53	<0.1	<0.01	1.7	0.4	<0.05	5	<0.5	

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Client:

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CERTIFICATE OF ANALYSIS

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P			
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%			
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001			
73054	Drill Core	0.8	71.0	4.7	61	<0.1	37.5	18.5	648	4.03	1.4	1.0	<0.5	2.2	169	<0.1	<0.1	<0.1	110	2.59	0.106		
73055	Drill Core	0.7	38.5	3.6	58	<0.1	37.2	19.1	627	3.84	1.1	0.8	0.8	1.8	165	<0.1	<0.1	<0.1	103	1.98	0.105		
73056	Drill Core	0.9	18.4	3.5	59	<0.1	32.8	18.4	505	3.59	1.3	0.9	<0.5	2.0	172	<0.1	<0.1	<0.1	98	1.92	0.093		
73057	Drill Core	1.2	24.5	3.9	58	<0.1	34.7	18.4	465	3.55	2.2	0.9	<0.5	2.0	150	<0.1	<0.1	<0.1	101	1.78	0.095		
73058	Drill Core	0.8	36.3	3.4	55	<0.1	30.6	16.1	510	3.37	1.2	1.0	<0.5	1.8	91	<0.1	<0.1	<0.1	100	1.49	0.108		
73059	Drill Core	1.1	19.3	4.3	57	<0.1	33.0	18.1	532	3.72	3.3	1.1	<0.5	2.1	275	0.1	0.1	<0.1	113	2.38	0.092		
73060	Drill Core	1.0	24.3	4.0	60	<0.1	24.4	17.2	560	3.60	4.7	1.2	<0.5	2.5	94	<0.1	0.2	<0.1	128	1.42	0.060		
73061	Rock	0.5	57.5	1.8	65	<0.1	95.0	29.2	886	5.42	1.8	0.2	<0.5	0.6	79	0.1	<0.1	<0.1	110	2.55	0.191		
73062	Drill Core	0.7	31.4	3.4	45	<0.1	24.0	15.2	610	3.15	5.4	0.5	<0.5	1.8	89	<0.1	0.3	<0.1	93	4.26	0.066		
73063	Drill Core	0.3	64.7	5.6	52	0.4	36.4	22.0	878	3.55	10.4	1.0	8.9	0.8	108	0.2	0.2	<0.1	77	6.41	0.084		
73064	Drill Core	<0.1	30.9	3.2	67	<0.1	47.3	19.6	813	4.29	1.3	0.3	<0.5	1.0	99	<0.1	<0.1	<0.1	63	5.33	0.105		
73065	Drill Core	0.2	26.4	2.6	57	<0.1	28.5	14.9	597	2.90	3.0	0.3	<0.5	0.7	140	<0.1	<0.1	<0.1	50	4.25	0.076		
73066	Drill Core	<0.1	21.6	2.5	64	<0.1	24.0	16.9	605	3.42	1.3	0.2	<0.5	0.6	153	<0.1	<0.1	<0.1	64	5.14	0.068		
73067	Drill Core	0.1	23.7	2.7	60	<0.1	22.4	15.6	879	3.15	1.8	0.2	<0.5	0.6	141	<0.1	<0.1	<0.1	73	4.90	0.065		
73068	Drill Core	0.2	22.0	2.6	59	<0.1	20.6	14.9	956	3.32	2.2	0.3	<0.5	0.7	135	<0.1	<0.1	<0.1	79	5.90	0.067		
73069	Drill Core	0.1	27.6	2.2	54	<0.1	21.2	15.1	1001	3.33	1.6	0.3	<0.5	0.6	110	<0.1	0.1	<0.1	86	3.26	0.077		
73070	Drill Core	0.2	27.3	2.0	61	<0.1	23.4	17.3	637	3.51	1.5	0.3	<0.5	0.7	102	<0.1	<0.1	<0.1	86	3.26	0.077		
73071	Drill Core	0.2	28.4	2.1	63	<0.1	23.4	17.3	938	3.43	1.4	0.3	<0.5	0.8	139	<0.1	<0.1	<0.1	71	3.55	0.080		
73072	Drill Core	0.3	22.8	2.3	65	<0.1	25.2	17.2	569	3.58	1.3	0.2	9.4	1.0	119	<0.1	<0.1	<0.1	60	1.73	0.087		
73073	Drill Core	0.2	29.1	2.2	65	<0.1	25.3	17.1	982	3.38	1.5	0.2	<0.5	0.8	103	0.1	<0.1	<0.1	55	2.57	0.076		
73074	Drill Core	0.2	29.1	2.2	65	<0.1	25.3	17.1	982	3.38	1.5	0.2	<0.5	0.8	103	0.1	<0.1	<0.1	55	2.57	0.076		
73074	Drill Core	0.2	29.1	2.2	65	<0.1	25.3	17.1	982	3.38	1.5	0.2	<0.5	0.8	103	0.1	<0.1	<0.1	55	2.57	0.076		
73074	Drill Core	0.1	30.8	3.2	52	<0.1	27.3	14.7	837	2.93	3.8	0.2	<0.5	0.8	147	0.2	<0.1	<0.1	49	6.22	0.085		
73075	Rock Pulp	13.0	117.5	25.0	90	8.2	15.7	18.2	891	3.80	9.0	0.7	4535	2.1	131	1.7	0.3	0.2	101	2.27	0.079		
73076	Drill Core	0.3	28.6	2.3	69	0.1	27.1	17.8	431	3.53	0.7	0.4	26.8	1.0	103	0.1	<0.1	<0.1	80	2.16	0.090		
73077	Drill Core	0.2	17.7	2.7	67	<0.1	27.3	17.8	633	3.65	0.6	0.3	1.4	0.9	102	<0.1	<0.1	<0.1	78	2.07	0.077		
73078	Drill Core	0.3	22.3	2.3	59	<0.1	34.4	16.7	487	3.33	0.9	0.3	1.6	0.7	142	<0.1	<0.1	<0.1	63	3.49	0.087		
73079	Drill Core	0.8	29.6	2.2	74	<0.1	27.3	19.1	832	3.83	<0.5	0.3	1.7	0.8	84	<0.1	<0.1	<0.1	85	2.03	0.092		
73080	Drill Core	1.1	34.0	3.6	62	<0.1	26.3	17.6	879	3.63	1.6	0.5	0.8	0.8	87	<0.1	<0.1	<0.1	113	2.24	0.089		
73081	Drill Core	1.5	28.4	3.1	65	<0.1	46.7	20.7	1269	3.76	0.7	0.3	0.8	0.8	105	0.2	<0.1	<0.1	90	2.77	0.082		
73082	Drill Core	0.9	36.7	2.4	64	<0.1	52.0	21.5	757	4.06	0.6	0.4	<0.5	0.8	146	<0.1	0.1	<0.1	126	2.50	0.123		
73083	Drill Core	0.2	39.9	2.4	69	0.1	44.6	20.5	871	4.05	0.7	0.3	<0.5	0.8	84	0.1	<0.1	<0.1	82	3.05	0.115		

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ACME ANALYTICAL LABORATORIES LTD.  
852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

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800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

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VAN07002544 1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
73054	Drill Core	12	29	2.18	79	0.308	2	3.14	0.165	0.05	<0.1	<0.01	7.8	<0.1	<0.05	11	<0.5
73055	Drill Core	12	28	1.92	69	0.256	2	2.57	0.161	0.05	0.1	<0.01	5.5	<0.1	<0.05	10	<0.5
73056	Drill Core	10	25	1.78	63	0.281	2	2.90	0.400	0.05	<0.1	<0.01	4.4	<0.1	<0.05	10	<0.5
73057	Drill Core	11	24	1.73	67	0.324	2	2.44	0.326	0.05	0.2	<0.01	5.2	<0.1	<0.05	9	<0.5
73058	Drill Core	12	22	1.55	38	0.311	3	2.09	0.154	0.05	<0.1	<0.01	2.4	<0.1	<0.05	8	<0.5
73059	Drill Core	11	24	1.76	105	0.346	4	2.97	0.255	0.05	<0.1	<0.01	5.1	<0.1	<0.05	10	<0.5
73060	Drill Core	9	19	2.14	41	0.328	2	1.87	0.089	0.07	0.2	<0.01	10.0	<0.1	<0.05	9	<0.5
73061	Rock	13	78	3.31	43	0.239	<1	2.88	0.035	0.03	<0.1	<0.01	9.7	<0.1	<0.05	12	<0.5
73062	Drill Core	11	24	1.21	36	0.038	3	1.71	0.037	0.04	<0.1	0.11	9.0	<0.1	<0.05	6	<0.5
73063	Drill Core	8	45	1.80	11	0.002	3	1.03	0.008	0.04	<0.1	0.85	9.3	<0.1	0.41	3	<0.5
73064	Drill Core	17	64	1.12	13	0.001	4	1.71	0.011	0.10	<0.1	0.08	8.4	<0.1	0.16	5	<0.5
73065	Drill Core	12	39	1.53	101	<0.001	4	2.26	0.023	0.07	<0.1	0.15	5.3	<0.1	<0.05	7	<0.5
73066	Drill Core	12	56	2.39	230	<0.001	4	2.71	0.041	0.06	<0.1	0.09	5.4	<0.1	<0.05	9	<0.5
73067	Drill Core	11	55	2.40	227	0.002	4	2.77	0.057	0.07	<0.1	0.03	5.9	<0.1	<0.05	8	<0.5
73068	Drill Core	10	56	2.71	131	0.003	4	2.86	0.067	0.06	<0.1	0.01	6.2	<0.1	<0.05	8	<0.5
73069	Drill Core	11	55	3.13	19	0.033	3	2.99	0.054	0.04	<0.1	<0.01	7.0	<0.1	<0.05	9	<0.5
73070	Drill Core	10	63	3.11	25	0.025	4	3.02	0.061	0.03	<0.1	0.01	7.6	<0.1	<0.05	10	<0.5
73071	Drill Core	13	59	2.25	325	0.011	6	2.66	0.065	0.06	<0.1	<0.01	6.6	<0.1	<0.05	8	<0.5
73072	Drill Core	13	59	1.86	55	0.014	5	2.44	0.092	0.10	<0.1	<0.01	5.9	<0.1	<0.05	7	<0.5
73073	Drill Core	12	52	1.42	183	0.005	5	2.32	0.091	0.11	<0.1	<0.01	6.2	<0.1	<0.05	7	<0.5
73074	Drill Core	13	39	0.66	164	0.001	6	1.17	0.040	0.08	<0.1	0.02	6.0	<0.1	0.15	4	<0.5
73075	Rock Pulp	14	24	1.12	111	0.108	5	2.75	0.136	0.34	0.1	0.04	8.2	0.2	0.71	8	0.8
73076	Drill Core	13	65	1.74	46	0.002	5	2.31	0.073	0.05	<0.1	0.01	7.1	<0.1	<0.05	10	<0.5
73077	Drill Core	11	68	1.74	69	0.003	4	2.39	0.096	0.05	<0.1	<0.01	6.3	<0.1	<0.05	9	<0.5
73078	Drill Core	14	54	1.28	35	0.002	7	2.17	0.073	0.05	<0.1	0.01	7.0	<0.1	0.11	8	<0.5
73079	Drill Core	12	70	2.08	42	0.011	3	2.39	0.092	0.05	<0.1	<0.01	8.0	<0.1	<0.05	9	<0.5
73080	Drill Core	11	70	2.04	27	0.241	6	2.47	0.110	0.04	0.1	0.01	9.9	<0.1	<0.05	9	<0.5
73081	Drill Core	10	81	1.99	20	0.039	4	2.52	0.085	0.04	<0.1	<0.01	8.0	<0.1	<0.05	10	<0.5
73082	Drill Core	14	113	2.14	32	0.203	3	2.56	0.278	0.04	<0.1	<0.01	10.8	<0.1	<0.05	7	<0.5
73083	Drill Core	13	113	1.92	50	0.005	3	2.54	0.079	0.06	<0.1	<0.01	8.9	<0.1	<0.05	10	<0.5

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ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

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**CERTIFICATE OF ANALYSIS**

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
73084	Drill Core			15	103	1.48	11	0.002	3	2.56	0.103	0.08	<0.1	<0.01	8.9	<0.1	0.38	9	<0.5
73085	Drill Core			16	115	1.70	58	0.007	2	2.26	0.097	0.05	<0.1	<0.01	8.6	<0.1	0.11	9	<0.5
73086	Drill Core			15	59	1.47	37	0.002	3	2.28	0.087	0.05	<0.1	0.01	6.7	<0.1	0.30	8	<0.5
73087	Drill Core			12	93	2.30	21	0.004	3	2.69	0.101	0.05	<0.1	<0.01	7.3	<0.1	<0.05	10	<0.5
73088	Drill Core			13	62	1.47	52	0.001	3	1.86	0.106	0.07	<0.1	<0.01	6.6	<0.1	0.57	6	<0.5
73089	Drill Core			13	93	1.71	23	0.003	2	2.29	0.068	0.05	<0.1	<0.01	7.4	<0.1	0.28	8	<0.5
73090	Drill Core			12	66	1.63	469	0.002	3	2.14	0.071	0.05	<0.1	<0.01	8.1	<0.1	<0.05	8	<0.5
73091	Rock			12	23	1.75	41	0.160	2	2.01	0.070	0.06	<0.1	<0.01	3.3	<0.1	<0.05	8	<0.5
73092	Drill Core			12	60	1.50	53	0.002	3	2.15	0.059	0.06	<0.1	<0.01	8.1	<0.1	0.06	8	<0.5
73093	Drill Core			12	50	1.70	292	0.002	3	1.95	0.066	0.05	<0.1	<0.01	7.2	<0.1	<0.05	7	<0.5
73094	Drill Core			12	66	1.60	108	0.001	3	2.37	0.072	0.07	<0.1	<0.01	6.4	<0.1	<0.05	8	<0.5
73095	Drill Core			12	64	1.74	25	0.012	2	2.06	0.090	0.08	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5
73096	Drill Core			11	64	2.26	27	0.006	2	2.26	0.080	0.04	<0.1	<0.01	5.9	<0.1	<0.05	9	<0.5
73097	Drill Core			12	62	1.98	30	0.003	2	2.20	0.092	0.04	<0.1	<0.01	6.0	<0.1	<0.05	8	<0.5
73098	Drill Core			12	62	1.30	33	0.001	2	2.37	0.116	0.08	<0.1	<0.01	7.6	<0.1	0.72	8	<0.5
73099	Drill Core			13	69	1.93	53	0.002	3	2.49	0.122	0.03	<0.1	<0.01	5.0	<0.1	<0.05	9	<0.5
73100	Rock			13	21	1.17	106	0.087	4	2.36	0.124	0.25	0.3	0.04	6.7	0.2	0.76	7	0.8
73101	Rock Pulp			10	18	1.87	176	0.090	4	3.22	0.047	0.08	<0.1	<0.01	3.8	<0.1	<0.05	11	<0.5
73102	Drill Core			14	62	1.53	480	0.001	2	2.45	0.107	0.05	<0.1	<0.01	7.1	<0.1	<0.05	8	<0.5
73103	Drill Core			8	69	2.38	13	0.105	2	2.58	0.090	0.03	<0.1	<0.01	6.0	<0.1	<0.05	10	<0.5
73104	Drill Core			8	62	1.59	41	0.127	1	1.82	0.130	0.03	<0.1	<0.01	6.6	<0.1	<0.05	6	<0.5
73105	Drill Core			9	72	1.26	19	0.160	1	1.76	0.114	0.05	0.1	0.01	6.5	<0.1	0.16	7	<0.5
73106	Drill Core			11	74	1.72	42	0.097	2	2.09	0.110	0.05	<0.1	<0.01	6.8	<0.1	0.06	8	<0.5
73107	Drill Core			11	70	1.69	239	0.131	2	2.07	0.110	0.06	<0.1	<0.01	7.3	<0.1	<0.05	8	<0.5
73108	Drill Core			10	71	1.56	71	0.149	1	2.14	0.120	0.04	<0.1	<0.01	7.2	<0.1	<0.05	9	<0.5

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**QUALITY CONTROL REPORT**

**VAN07002544.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
<b>Pulp Duplicates</b>																					
73073	Drill Core	0.2	29.1	2.2	65	<0.1	25.3	17.1	982	3.38	1.5	0.2	<0.5	0.8	103	0.1	<0.1	<0.1	55	2.57	0.076
REP 73073	QC	0.2	29.9	2.2	69	<0.1	25.8	17.4	993	3.44	1.5	0.2	<0.5	0.8	103	<0.1	<0.1	<0.1	56	2.62	0.077
<b>Core Reject Duplicates</b>																					
73077	Drill Core	0.2	17.7	2.7	67	<0.1	27.3	17.8	633	3.65	0.6	0.3	1.4	0.9	102	<0.1	<0.1	<0.1	78	2.07	0.077
DUP 73077	QC	0.2	18.0	2.8	67	<0.1	27.2	17.2	611	3.65	<0.5	0.3	4.2	0.8	101	<0.1	<0.1	<0.1	77	2.12	0.074
<b>Reference Materials</b>																					
STD DS7	Standard	18.9	112.1	69.0	403	0.8	54.4	9.7	636	2.38	51.2	5.0	64.2	4.4	73	6.3	6.6	4.7	78	0.95	0.084
STD DS7	Standard	19.1	106.9	66.5	399	0.8	55.5	9.4	655	2.38	49.3	5.0	65.3	4.6	80	6.4	6.7	4.6	82	1.01	0.083
STD DS7	Standard	20.3	113.5	71.9	393	0.9	56.1	9.6	606	2.41	47.9	5.3	63.1	4.9	75	6.3	6.0	4.7	85	0.96	0.073
STD DS7	Standard	21.6	115.2	75.8	409	0.9	58.8	9.6	623	2.50	49.4	5.7	66.0	5.3	78	7.0	6.1	4.9	86	1.01	0.075
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
<b>Prep Wash</b>																					
G1	Prep Blank	0.7	13.4	3.5	49	<0.1	6.3	4.6	571	1.98	<0.5	3.1	1.9	5.6	63	<0.1	<0.1	0.1	39	0.52	0.078
G1	Prep Blank	0.5	3.8	3.3	48	<0.1	5.3	4.6	583	2.04	<0.5	3.0	<0.5	5.6	64	<0.1	<0.1	<0.1	39	0.53	0.079



852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76

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**QUALITY CONTROL REPORT** VAN07002544.1

Method	Analyte	Unit	MDL	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm
Pulp Duplicates																			
73073	Drill Core			12	52	1.42	183	0.005	5	2.32	0.091	0.11	<0.1	<0.01	6.2	<0.1	<0.05	7	<0.5
REP 73073	QC			12	53	1.44	187	0.005	5	2.30	0.090	0.11	<0.1	<0.01	6.3	<0.1	<0.05	7	<0.5
Core Reject Duplicates																			
73077	Drill Core			11	68	1.74	69	0.003	4	2.39	0.096	0.05	<0.1	<0.01	6.3	<0.1	<0.05	9	<0.5
DUP 73077	QC			11	67	1.73	76	0.003	4	2.40	0.091	0.05	<0.1	<0.01	6.4	<0.1	0.05	9	<0.5
Reference Materials																			
STD DS7	Standard			11	180	1.04	389	0.109	42	0.99	0.091	0.47	3.7	0.19	2.1	4.2	0.18	5	3.6
STD DS7	Standard			13	189	1.07	414	0.118	43	1.03	0.100	0.47	4.1	0.21	2.4	4.3	0.18	5	3.4
STD DS7	Standard			13	199	1.07	380	0.131	38	1.02	0.090	0.43	3.9	0.21	2.5	4.2	0.20	5	3.4
STD DS7	Standard			14	207	1.10	386	0.134	38	1.08	0.095	0.46	4.0	0.21	2.7	4.4	0.20	5	3.6
STD DS7 Expected				12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																			
G1	Prep Blank			9	15	0.63	234	0.143	2	1.03	0.079	0.52	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5
G1	Prep Blank			10	13	0.62	233	0.147	1	1.10	0.085	0.54	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5

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**CERTIFICATE OF ANALYSIS**

**VAN07002719.1**

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
73109	Drill Core	1.20	1.7	12.8	5.7	67	<0.1	19.8	9.5	481	2.72	1.6	0.8	1.4	2.0	78	<0.1	0.1	<0.1	48	1.50
73110	Drill Core	2.00	0.4	18.1	2.5	62	<0.1	48.3	17.6	712	3.49	0.5	0.3	0.8	1.5	72	<0.1	0.3	<0.1	71	6.73
73111	Drill Core	2.50	0.5	20.0	3.5	48	<0.1	38.2	14.4	780	2.93	2.1	0.4	<0.5	1.5	120	<0.1	0.3	<0.1	71	6.73
73112	Drill Core	3.90	0.3	11.5	2.7	51	<0.1	40.2	16.4	757	3.23	4.3	0.3	1.0	1.1	101	<0.1	0.1	<0.1	67	4.89
73113	Drill Core	3.30	0.4	14.1	2.2	51	<0.1	41.0	16.3	706	3.21	8.6	0.3	1.4	1.3	102	<0.1	0.2	<0.1	69	4.79
73114	Drill Core	3.50	0.5	20.6	2.1	54	<0.1	45.5	17.7	723	3.47	3.7	0.3	<0.5	1.2	76	<0.1	0.2	<0.1	63	3.60
73117	Drill Core	3.50	3.7	92.4	5.9	46	1.2	69.7	29.8	857	4.19	169.3	0.4	68.2	0.7	70	0.1	5.4	<0.1	55	5.53
73118	Drill Core	2.50	0.3	54.8	2.8	50	0.3	61.5	21.7	947	4.15	61.0	0.2	16.8	0.7	74	<0.1	1.3	<0.1	57	5.29
73125	Rock Pulp		2.2	110.2	14.6	80	0.9	106.0	26.0	2565	8.46	8004	0.6	7022	2.2	54	0.1	6.4	0.4	45	1.21
73128	Drill Core	3.70	0.2	7.0	3.7	51	<0.1	23.2	16.4	771	3.60	5.0	0.3	5.2	0.6	62	<0.1	0.2	<0.1	79	5.30
73129	Drill Core	3.50	0.2	25.1	2.9	57	<0.1	26.8	16.4	597	3.50	2.0	0.3	2.3	0.9	87	<0.1	0.1	<0.1	64	2.92
73130	Drill Core	2.20	0.1	30.6	2.3	58	<0.1	27.5	16.3	572	3.73	1.2	0.3	2.1	0.8	115	<0.1	0.1	<0.1	61	3.05
73131	Drill Core	1.00	0.3	48.1	4.7	67	<0.1	135.4	34.8	892	5.52	2.8	0.2	1.6	0.4	37	<0.1	<0.1	<0.1	107	2.00
73132	Drill Core	2.40	0.1	16.4	2.1	59	<0.1	28.9	15.6	522	3.35	0.7	0.3	1.1	0.9	144	<0.1	<0.1	<0.1	54	3.31
73133	Drill Core	4.50	<0.1	26.9	2.2	59	<0.1	28.7	16.3	688	3.86	1.3	0.3	3.0	0.8	141	<0.1	0.1	<0.1	72	3.54
73134	Drill Core	3.50	0.2	26.0	2.5	60	<0.1	26.6	17.1	704	3.61	0.9	0.3	0.9	0.8	136	<0.1	0.1	<0.1	73	4.12
73134	Drill Core	3.50	0.2	26.0	2.5	60	<0.1	26.6	17.1	704	3.61	0.9	0.3	0.9	0.8	136	<0.1	0.1	<0.1	73	4.12
73134	Drill Core	3.50	0.2	26.0	2.5	60	<0.1	26.6	17.1	704	3.61	0.9	0.3	0.9	0.8	136	<0.1	0.1	<0.1	73	4.12
73134	Drill Core	3.50	0.2	26.0	2.5	60	<0.1	26.6	17.1	704	3.61	0.9	0.3	0.9	0.8	136	<0.1	0.1	<0.1	73	4.12
73135	Drill Core	3.70	<0.1	21.7	1.8	67	<0.1	27.7	19.1	643	3.80	1.9	0.3	2.3	0.8	152	<0.1	0.2	<0.1	74	2.53
73135	Drill Core	3.70	<0.1	21.7	1.8	67	<0.1	27.7	19.1	643	3.80	1.9	0.3	2.3	0.8	152	<0.1	0.2	<0.1	74	2.53
73135	Drill Core	3.70	<0.1	21.7	1.8	67	<0.1	27.7	19.1	643	3.80	1.9	0.3	2.3	0.8	152	<0.1	0.2	<0.1	74	2.53
73135	Drill Core	3.70	<0.1	21.7	1.8	67	<0.1	27.7	19.1	643	3.80	1.9	0.3	2.3	0.8	152	<0.1	0.2	<0.1	74	2.53
73136	Drill Core	3.10	0.2	23.1	2.6	59	<0.1	24.7	16.9	588	3.45	2.1	0.4	2.1	0.7	139	<0.1	0.1	<0.1	87	2.63
73136	Drill Core	3.10	0.2	23.1	2.6	59	<0.1	24.7	16.9	588	3.45	2.1	0.4	2.1	0.7	139	<0.1	0.1	<0.1	87	2.63
73136	Drill Core	3.10	0.2	23.1	2.6	59	<0.1	24.7	16.9	588	3.45	2.1	0.4	2.1	0.7	139	<0.1	0.1	<0.1	87	2.63
73136	Drill Core	3.10	0.2	23.1	2.6	59	<0.1	24.7	16.9	588	3.45	2.1	0.4	2.1	0.7	139	<0.1	0.1	<0.1	87	2.63
73137	Drill Core	3.80	0.1	28.4	2.2	61	<0.1	23.9	15.4	700	3.55	1.3	0.3	0.5	0.9	113	<0.1	0.1	<0.1	68	2.39
73137	Drill Core	3.80	0.1	28.4	2.2	61	<0.1	23.9	15.4	700	3.55	1.3	0.3	0.5	0.9	113	<0.1	0.1	<0.1	68	2.39
73137	Drill Core	3.80	0.1	28.4	2.2	61	<0.1	23.9	15.4	700	3.55	1.3	0.3	0.5	0.9	113	<0.1	0.1	<0.1	68	2.39
73137	Drill Core	3.80	0.1	28.4	2.2	61	<0.1	23.9	15.4	700	3.55	1.3	0.3	0.5	0.9	113	<0.1	0.1	<0.1	68	2.39
73138	Drill Core	3.20	0.1	20.1	2.3	62	<0.1	25.9	17.2	708	3.73	1.6	0.4	<0.5	0.9	130	<0.1	<0.1	<0.1	70	2.79
73138	Drill Core	3.20	0.1	20.1	2.3	62	<0.1	25.9	17.2	708	3.73	1.6	0.4	<0.5	0.9	130	<0.1	<0.1	<0.1	70	2.79
73138	Drill Core	3.20	0.1	20.1	2.3	62	<0.1	25.9	17.2	708	3.73	1.6	0.4	<0.5	0.9	130	<0.1	<0.1	<0.1	70	2.79
73138	Drill Core	3.20	0.1	20.1	2.3	62	<0.1	25.9	17.2	708	3.73	1.6	0.4	<0.5	0.9	130	<0.1	<0.1	<0.1	70	2.79
73139	Drill Core	3.30	0.1	26.5	2.6	64	<0.1	25.8	16.6	725	3.60	1.3	0.3	1.1	0.7	138	<0.1	<0.1	<0.1	64	4.83
73139	Drill Core	3.30	0.1	26.5	2.6	64	<0.1	25.8	16.6	725	3.60	1.3	0.3	1.1	0.7	138	<0.1	<0.1	<0.1	64	4.83
73139	Drill Core	3.30	0.1	26.5	2.6	64	<0.1	25.8	16.6	725	3.60	1.3	0.3	1.1	0.7	138	<0.1	<0.1	<0.1	64	4.83
73139	Drill Core	3.30	0.1	26.5	2.6	64	<0.1	25.8	16.6	725	3.60	1.3	0.3	1.1	0.7	138	<0.1	<0.1	<0.1	64	4.83
73140	Drill Core	3.60	0.1	29.0	3.6	66	<0.1	25.5	16.3	512	3.65	1.5	0.3	0.9	0.8	134	<0.1	0.1	<0.1	62	2.30
73140	Drill Core	3.60	0.1	29.0	3.6	66	<0.1	25.5	16.3	512	3.65	1.5	0.3	0.9	0.8	134	<0.1	0.1	<0.1	62	2.30
73140	Drill Core	3.60	0.1	29.0	3.6	66	<0.1	25.5	16.3	512	3.65	1.5	0.3	0.9	0.8	134	<0.1	0.1	<0.1	62	2.30
73140	Drill Core	3.60	0.1	29.0	3.6	66	<0.1	25.5	16.3	512	3.65	1.5	0.3	0.9	0.8	134	<0.1	0.1	<0.1	62	2.30
73141	Drill Core	4.20	0.2	27.2	2.5	64	<0.1	24.6	15.7	793	3.49	1.1	0.3	2.1	0.8	108	<0.1	0.1	<0.1	64	3.77
73141	Drill Core	4.20	0.2	27.2	2.5	64	<0.1	24.6	15.7	793	3.49	1.1	0.3	2.1	0.8	108	<0.1	0.1	<0.1	64	3.77
73141	Drill Core	4.20	0.2	27.2	2.5	64	<0.1	24.6	15.7	793	3.49	1.1	0.3	2.1	0.8	108	<0.1	0.1	<0.1	64	3.77
73141	Drill Core	4.20	0.2	27.2	2.5	64	<0.1	24.6	15.7	793	3.49	1.1	0.3	2.1	0.8	108	<0.1	0.1	<0.1	64	3.77
73145	Drill Core	3.50	0.1	16.5	2.6	73	<0.1	28.1	19.3	450	3.80	2.8	0.3	<0.5	1.0	107	<0.1	0.3	<0.1	80	2.61
73145	Drill Core	3.50	0.1	16.5	2.6	73	<0.1	28.1	19.3	450	3.80	2.8	0.3	<0.5	1.0	107	<0.1	0.3	<0.1	80	2.61
73145	Drill Core	3.50	0.1	16.5	2.6	73	<0.1	28.1	19.3	450	3.80	2.8	0.3	<0.5	1.0	107	<0.1	0.3	<0.1	80	2.61
73145	Drill Core	3.50	0.1	16.5	2.6	73	<0.1	28.1	19.3	450	3.80	2.8	0.3	<0.5	1.0	107	<0.1	0.3	<0.1	80	2.61
73146	Drill Core	3.50	0.2	14.2	3.0	56	<0.1	22.7	14.6	518	3.21	2.5	0.3	2.2	0.9	149	<0.1	0.2	<0.1	58	4.32
73146	Drill Core	3.50	0.2	14.2	3.0	56	<0.1	22.7	14.6	518	3.21	2.5	0.3	2.2	0.9	149	<0.1	0.2	<0.1	58	4.32
73146	Drill Core	3.50	0.2	14.2	3.0	56	<0.1	22.7	14.6	518	3.21	2.5	0.3	2.2	0.9	149	<0.1	0.2	<0.1	58	4.32
73146	Drill Core	3.50	0.2	14.2	3.0	56	<0.1	22.7	14.6	518	3.21	2.5	0.3	2.2	0.9	149	<0.1	0.2	<0.1	58	4.32
73147	Drill Core	3.10	0.2	16.6	2.4	46	<0.1	18.6	12.2	555	2.76	1.9	0.2	0.7	0.7	120	<0.1	0.2	<0.1	52	3.61
73147	Drill Core	3.10	0.2	16.6	2.4	46	<0.1	18.6	12.2	555	2.76	1.9	0.2	0.7	0.7	120	<0.1	0.2	<0.1	52	3.61
73147	Drill Core	3.10	0.2	16.6	2.4	46	<0.1	18.													



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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
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Client:

Strongbow Exploration Inc.

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

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Report Date:

December 28, 2007

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Part 2

# CERTIFICATE OF ANALYSIS

VAN07002719.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
73109	Drill Core	0.078	20	36	1.24	213	0.056	3	1.87	0.148	0.27	<0.1	<0.01	5.8	<0.1	<0.05	9	<0.5
73110	Drill Core	0.067	12	89	2.12	60	0.003	4	2.51	0.048	0.15	<0.1	<0.01	8.3	<0.1	0.10	5	<0.5
73111	Drill Core	0.075	13	57	1.37	394	0.002	7	1.94	0.013	0.09	<0.1	0.01	8.4	<0.1	<0.05	5	<0.5
73112	Drill Core	0.056	9	73	1.90	606	0.002	4	1.65	0.012	0.06	<0.1	<0.01	7.2	<0.1	<0.05	6	<0.5
73113	Drill Core	0.067	12	76	1.89	373	0.002	5	1.71	0.019	0.07	<0.1	<0.01	7.0	<0.1	<0.05	8	<0.5
73114	Drill Core	0.065	12	94	2.05	111	0.002	3	2.01	0.018	0.06	<0.1	0.04	7.0	<0.1	<0.05	8	<0.5
73117	Drill Core	0.128	11	53	1.79	33	<0.001	4	0.95	0.007	0.23	<0.1	0.32	7.8	0.5	1.29	2	<0.5
73118	Drill Core	0.118	11	56	1.83	30	<0.001	4	0.73	0.008	0.19	<0.1	0.14	7.7	0.2	0.33	2	<0.5
73125	Rock Pulp	0.157	12	35	1.81	54	0.056	1	1.34	0.142	0.06	0.5	<0.01	2.5	<0.1	2.87	4	5.3
73128	Drill Core	0.068	8	28	1.95	65	0.002	4	1.03	0.005	0.07	<0.1	0.10	7.6	<0.1	0.62	2	<0.5
73129	Drill Core	0.091	13	39	1.17	22	<0.001	6	1.24	0.012	0.09	<0.1	0.06	7.5	<0.1	0.31	4	<0.5
73130	Drill Core	0.087	14	53	1.54	91	0.001	8	2.11	0.034	0.10	<0.1	<0.01	7.1	<0.1	0.06	6	<0.5
73131	Drill Core	0.209	13	125	3.80	35	0.219	3	3.50	0.021	0.04	<0.1	0.02	4.7	<0.1	<0.05	13	<0.5
73132	Drill Core	0.086	11	62	1.89	129	0.001	6	2.61	0.064	0.10	<0.1	0.02	6.2	<0.1	0.06	7	<0.5
73133	Drill Core	0.087	13	67	1.89	101	0.004	6	2.62	0.056	0.06	<0.1	0.01	7.1	<0.1	<0.05	8	<0.5
73134	Drill Core	0.083	11	66	2.00	30	0.004	5	2.71	0.081	0.07	<0.1	0.01	7.5	<0.1	0.22	8	<0.5
73135	Drill Core	0.095	13	77	2.58	57	0.005	8	3.10	0.067	0.06	<0.1	0.02	7.3	<0.1	<0.05	10	<0.5
73136	Drill Core	0.096	12	71	2.45	33	0.062	7	2.77	0.079	0.08	<0.1	<0.01	7.5	<0.1	<0.05	9	<0.5
73137	Drill Core	0.088	9	68	2.25	108	0.067	6	2.53	0.056	0.05	<0.1	0.02	5.3	<0.1	0.23	8	<0.5
73138	Drill Core	0.096	11	76	2.41	33	0.018	5	2.90	0.076	0.09	<0.1	0.01	6.9	<0.1	0.11	9	<0.5
73139	Drill Core	0.095	15	72	2.37	28	0.002	6	2.77	0.065	0.07	<0.1	0.02	6.3	<0.1	0.61	9	<0.5
73140	Drill Core	0.095	13	74	2.34	34	0.002	6	2.93	0.092	0.09	<0.1	0.03	6.9	<0.1	0.70	9	<0.5
73141	Drill Core	0.083	13	67	1.89	30	0.002	5	2.35	0.059	0.07	<0.1	0.03	7.2	<0.1	0.64	8	<0.5
73145	Drill Core	0.088	15	75	2.52	38	0.002	5	2.71	0.053	0.10	<0.1	0.02	8.6	<0.1	0.39	9	<0.5
73146	Drill Core	0.085	17	54	1.68	23	0.002	6	2.14	0.095	0.10	<0.1	0.04	6.8	<0.1	0.71	7	<0.5
73147	Drill Core	0.072	11	47	1.50	175	0.001	6	1.91	0.058	0.12	<0.1	0.03	5.1	<0.1	0.57	7	<0.5
73148	Drill Core	0.089	15	69	1.63	82	0.002	3	2.43	0.073	0.14	<0.1	<0.01	7.7	<0.1	0.25	8	<0.5
73149	Drill Core	0.083	11	25	0.57	275	0.002	6	0.82	0.011	0.07	<0.1	0.02	8.4	<0.1	0.56	2	<0.5
73150	Rock Pulp	0.085	14	20	1.18	109	0.092	4	2.21	0.129	0.23	0.2	0.04	7.5	0.1	0.66	7	1.1
73151	Drill Core	0.084	13	48	0.95	111	0.002	4	1.68	0.040	0.09	<0.1	0.01	7.4	<0.1	1.11	6	<0.5

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.



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Client:

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800 - 625 Howe St.  
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Part 1

CERTIFICATE OF ANALYSIS

VAN07002719.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	1	0.1	0.1	0.1	ppm	2	0.01	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01		
73152	Drill Core	3.70	0.2	19.4	3.2	49	<0.1	22.0	13.1	438	2.95	1.5	0.2	<0.5	0.8	101	<0.1	0.2	<0.1	62	3.40	
73153	Drill Core	3.40	0.2	4.0	3.3	37	<0.1	16.7	11.5	395	2.44	1.2	0.3	<0.5	0.9	106	<0.1	<0.1	<0.1	58	1.77	
73154	Drill Core	3.20	0.2	34.5	2.4	68	<0.1	26.6	18.0	404	3.29	1.3	0.3	<0.5	1.0	136	<0.1	0.2	<0.1	59	2.69	
73155	Drill Core	3.40	0.2	38.4	3.0	64	<0.1	25.6	17.2	477	3.53	2.1	0.4	<0.5	1.0	136	<0.1	0.1	<0.1	98	2.70	
73156	Drill Core	3.10	0.4	50.5	3.4	64	<0.1	25.9	16.7	782	3.61	1.1	0.6	<0.5	0.8	131	<0.1	0.1	<0.1	59	3.08	
73157	Drill Core	4.00	0.1	31.7	2.0	62	<0.1	27.7	17.9	646	3.29	1.6	0.5	1.7	0.8	136	0.1	0.2	<0.1	70	1.31	
73158	Drill Core	3.70	0.2	22.0	4.7	78	<0.1	31.1	24.2	849	3.97	2.3	0.7	<0.5	0.9	125	<0.1	<0.1	<0.1	63	1.55	
73159	Drill Core	3.70	0.2	14.8	5.5	86	<0.1	34.9	23.6	696	4.12	1.7	0.7	<0.5	1.0	105	<0.1	<0.1	<0.1	30	1.63	
73160	Drill Core	4.30	0.2	3.0	6.2	85	<0.1	110.2	34.1	832	6.43	1.2	0.4	0.5	0.9	91	0.1	<0.1	<0.1	120	2.65	
73161	Drill Core	1.10	0.4	45.7	2.5	67	<0.1	90.0	27.2	892	4.76	3.2	0.3	<0.5	1.2	97	0.2	<0.1	<0.1	68	1.65	
73162	Drill Core	3.90	0.2	60.3	3.9	111	0.1	74.5	33.6	1136	3.93	1.4	0.4	<0.5	0.9	110	<0.1	0.1	<0.1	47	0.88	
73163	Drill Core	3.50	0.3	15.9	6.9	76	<0.1	59.5	22.5	872	4.77	1.2	1.0	<0.5	2.0	128	<0.1	0.2	<0.1	82	2.13	
73164	Drill Core	2.60	0.2	80.8	3.8	91	<0.1	57.8	23.0	1195	3.78	0.9	0.4	<0.5	0.9	117	0.1	0.1	<0.1	25	1.09	
73165	Drill Core	2.40	0.2	116.0	3.3	80	0.3	70.5	30.7	950	3.57	1.6	0.2	<0.5	0.6	86	0.1	0.3	<0.1	64	3.19	
73166	Drill Core	2.70	0.8	30.7	2.2	68	<0.1	86.2	46.4	1395	4.35	<0.5	0.3	<0.5	0.7	98	0.3	<0.1	<0.1	63	2.67	
73167	Drill Core	4.20	0.2	14.7	4.2	75	<0.1	76.7	25.0	1322	4.51	2.1	0.3	0.6	0.9	74	<0.1	0.2	<0.1	62	2.37	
73168	Drill Core	3.80	9.3	38.8	3.0	73	0.1	48.5	18.1	880	4.20	2.1	0.3	0.6	0.9	83	<0.1	0.1	<0.1	65	3.76	
73115	Drill Core	1.20	0.6	29.3	2.0	66	<0.1	58.7	19.8	805	3.91	11.2	0.2	3.5	1.0	85	<0.1	0.1	<0.1	94	6.38	
73116	Drill Core	1.80	0.9	39.3	3.9	76	0.1	59.1	28.6	1160	4.89	18.5	0.4	8.5	0.8	103	0.1	0.9	<0.1	38	4.38	
73119	Drill Core	1.50	0.3	14.3	3.2	44	<0.1	25.5	17.0	847	2.99	17.6	0.8	2.6	0.8	66	<0.1	0.2	<0.1	40	4.31	
73120	Drill Core	1.50	0.4	14.1	3.1	48	<0.1	27.9	17.0	796	2.92	18.6	0.7	3.6	0.8	66	<0.1	0.2	<0.1	40	4.31	
73122	Drill Core	3.00	0.2	17.9	3.9	61	<0.1	31.5	16.9	783	3.71	1.4	0.4	<0.5	0.9	110	<0.1	<0.1	<0.1	57	3.56	
73121	Drill Core	3.30	0.4	25.1	3.9	53	<0.1	35.3	17.8	859	3.41	6.4	0.4	1.2	0.9	96	0.1	0.2	<0.1	47	3.44	
73123	Drill Core	3.40	0.2	18.0	2.0	63	<0.1	28.6	18.1	649	3.77	2.3	0.2	<0.5	0.8	133	<0.1	<0.1	<0.1	75	5.51	
73124	Drill Core	3.60	0.1	17.9	2.1	59	<0.1	24.4	15.7	784	3.55	1.5	0.2	<0.5	0.7	153	<0.1	<0.1	<0.1	68	6.26	
73126	Drill Core	2.60	0.1	31.7	2.7	48	<0.1	20.3	12.0	716	3.09	1.2	0.3	<0.5	0.9	123	<0.1	0.1	<0.1	62	6.66	
73127	Drill Core	2.60	0.1	31.7	2.7	48	<0.1	20.3	12.0	716	3.09	1.2	0.3	<0.5	0.9	123	<0.1	0.1	<0.1	62	6.66	
73127	Drill Core	3.30	0.2	28.0	2.9	54	<0.1	26.1	14.1	707	3.68	1.2	0.2	<0.5	0.8	108	<0.1	0.1	<0.1	62	4.55	
73142	Drill Core	1.70	0.2	12.6	3.2	53	<0.1	21.8	14.3	600	3.20	2.2	0.3	<0.5	0.9	128	<0.1	0.2	<0.1	60	4.33	
73143	Drill Core	1.00	0.3	5.2	4.3	20	<0.1	13.1	7.1	715	2.04	1.6	0.3	<0.5	0.6	133	<0.1	0.2	<0.1	51	9.51	
73144	Drill Core	2.20	0.1	5.0	3.4	54	<0.1	21.8	12.7	429	3.00	3.0	0.3	<0.5	0.8	101	<0.1	0.4	<0.1	76	3.14	

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ACME ANALYTICAL LABORATORIES LTD.  
 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project:

76

Report Date:

December 28, 2007

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Part 2

CERTIFICATE OF ANALYSIS

VAN07002719 1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
73152	Drill Core	0.079	12	50	0.95	137	0.002	5	1.60	0.046	0.13	<0.1	0.01	7.1	<0.1	0.99	6	<0.5
73153	Drill Core	0.060	11	45	0.89	96	0.002	5	1.55	0.041	0.10	<0.1	0.01	6.3	<0.1	0.83	5	<0.5
73154	Drill Core	0.095	11	65	1.66	34	0.002	4	2.09	0.064	0.11	<0.1	0.01	6.2	<0.1	0.82	7	0.6
73155	Drill Core	0.097	12	64	1.83	298	0.003	6	2.39	0.063	0.10	<0.1	<0.01	8.6	<0.1	0.39	8	<0.5
73156	Drill Core	0.090	11	68	2.04	207	0.175	4	2.85	0.145	0.07	<0.1	<0.01	7.1	<0.1	0.14	7	<0.5
73157	Drill Core	0.106	12	65	1.53	525	0.006	5	2.23	0.063	0.06	<0.1	<0.01	5.7	<0.1	<0.05	9	<0.5
73158	Drill Core	0.111	10	73	1.90	244	0.125	4	2.89	0.118	0.12	<0.1	<0.01	5.1	<0.1	<0.05	8	<0.5
73159	Drill Core	0.118	10	66	1.73	76	0.123	4	2.79	0.076	0.17	<0.1	0.01	5.4	<0.1	0.41	8	0.6
73160	Drill Core	0.065	25	40	1.90	61	0.016	8	3.27	0.038	0.34	<0.1	<0.01	7.4	<0.1	<0.05	11	<0.5
73161	Drill Core	0.193	22	70	3.13	40	0.204	1	2.78	0.041	0.06	<0.1	<0.01	5.6	<0.1	<0.05	8	<0.5
73162	Drill Core	0.136	13	57	1.94	29	0.100	5	3.50	0.194	0.26	0.1	<0.01	4.8	<0.1	<0.05	5	<0.5
73163	Drill Core	0.074	11	43	1.32	51	0.021	8	2.36	0.141	0.28	<0.1	0.02	7.6	<0.1	<0.05	9	<0.5
73164	Drill Core	0.088	13	84	2.22	45	0.070	3	3.62	0.226	0.14	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5
73165	Drill Core	0.022	18	34	1.44	21	<0.001	4	2.68	0.054	0.22	<0.1	0.01	8.0	<0.1	<0.05	8	<0.5
73166	Drill Core	0.088	15	89	1.73	69	0.002	5	3.09	0.056	0.24	<0.1	<0.01	6.7	<0.1	0.13	9	<0.5
73167	Drill Core	0.114	14	56	1.94	50	0.010	3	2.88	0.052	0.15	<0.1	<0.01	5.9	<0.1	0.19	8	<0.5
73168	Drill Core	0.104	15	62	1.48	74	0.005	3	2.87	0.051	0.23	<0.1	<0.01	8.3	<0.1	<0.05	10	<0.5
73115	Drill Core	0.068	12	108	2.29	42	0.002	4	2.52	0.035	0.06	<0.1	0.01	9.5	<0.1	0.24	3	<0.5
73116	Drill Core	0.066	7	44	2.34	10	0.002	2	0.99	0.009	0.05	<0.1	0.56	4.8	0.1	0.08	2	<0.5
73119	Drill Core	0.063	7	20	1.58	41	0.002	3	0.66	0.009	0.17	<0.1	0.16	4.8	0.1	0.10	2	<0.5
73120	Drill Core	0.070	7	21	1.53	35	0.002	4	0.76	0.009	0.20	<0.1	0.20	4.8	0.1	0.10	2	<0.5
73122	Drill Core	0.088	15	33	1.27	41	<0.001	4	1.37	0.012	0.11	<0.1	0.07	7.4	<0.1	<0.05	4	<0.5
73121	Drill Core	0.078	13	30	1.28	26	0.002	4	1.04	0.009	0.15	<0.1	0.07	6.1	<0.1	0.06	3	<0.5
73123	Drill Core	0.078	14	62	2.46	228	0.001	4	2.96	0.051	0.08	<0.1	0.01	7.1	<0.1	<0.05	10	<0.5
73124	Drill Core	0.066	13	61	2.25	437	0.001	4	2.58	0.034	0.06	<0.1	0.02	7.0	<0.1	<0.05	9	<0.5
73126	Drill Core	0.067	12	42	1.37	327	0.003	4	1.65	0.022	0.06	<0.1	0.02	7.8	<0.1	<0.05	6	<0.5
73127	Drill Core	0.072	12	36	0.97	23	<0.001	4	1.27	0.015	0.09	<0.1	0.01	7.7	<0.1	0.50	5	<0.5
73142	Drill Core	0.076	14	41	1.57	139	0.002	5	1.46	0.049	0.10	<0.1	<0.01	7.1	<0.1	0.60	6	<0.5
73143	Drill Core	0.041	10	18	1.24	277	0.003	6	0.66	0.029	0.07	<0.1	0.02	4.2	<0.1	0.43	2	0.6
73144	Drill Core	0.063	11	55	1.34	20	0.003	4	1.82	0.035	0.11	<0.1	<0.01	6.6	<0.1	0.46	7	0.5

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Strongbow Exploration Inc.  
 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

**Project:** 76  
**Report Date:** December 28, 2007

**Page:** 1 of 1 **Part** 1

**QUALITY CONTROL REPORT**

**VAN07002719 1**

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
<b>Pulp Duplicates</b>																					
REP 73109	QC		1.6	12.5	5.6	64	<0.1	20.5	9.5	472	2.63	1.4	0.7	1.1	2.0	76	<0.1	0.2	<0.1	47	1.50
73127	Drill Core	3.30	0.2	28.0	2.9	54	<0.1	26.1	14.1	707	3.68	1.2	0.2	<0.5	0.8	108	<0.1	0.1	<0.1	62	4.55
REP 73127	QC		0.1	29.3	3.1	58	<0.1	28.5	15.3	741	3.70	1.1	0.2	<0.5	0.8	108	<0.1	0.1	<0.1	66	5.03
<b>Core Reject Duplicates</b>																					
73109	Drill Core	1.20	1.7	12.8	5.7	67	<0.1	19.8	9.5	481	2.72	1.6	0.8	1.4	2.0	78	<0.1	0.2	<0.1	48	1.50
DUP 73109	QC		1.7	13.1	5.8	68	<0.1	20.2	9.5	494	2.71	1.3	0.8	1.5	2.0	80	<0.1	0.2	<0.1	49	1.53
73157	Drill Core	4.00	0.1	31.7	2.0	62	<0.1	27.7	17.9	646	3.29	1.6	0.5	1.7	0.8	136	0.1	0.2	<0.1	59	3.08
DUP 73157	QC		0.1	33.5	2.3	61	<0.1	27.0	18.3	680	3.35	1.9	0.6	<0.5	0.7	137	<0.1	0.2	<0.1	57	3.04
<b>Reference Materials</b>																					
STD DS7	Standard		20.9	101.1	70.3	425	0.8	58.7	9.4	633	2.45	51.5	5.1	79.6	4.7	83	6.7	6.5	4.8	88	0.99
STD DS7	Standard		21.0	102.3	66.7	429	0.8	56.7	9.7	645	2.46	50.8	4.9	68.9	4.6	82	6.2	6.6	4.6	89	0.99
STD DS7	Standard		21.5	99.9	76.5	401	0.9	53.8	9.0	619	2.33	47.8	5.1	70.8	4.8	79	6.2	6.8	5.1	87	0.95
STD DS7	Standard		20.0	102.9	73.7	414	0.8	55.6	9.3	595	2.39	49.5	4.9	67.5	4.4	75	6.4	7.0	4.9	86	0.96
STD DS7	Standard		22.4	106.6	68.4	408	0.9	60.5	10.2	615	2.35	46.6	4.7	73.5	4.4	63	6.3	5.5	4.1	89	0.97
STD DS7	Standard		22.0	105.9	66.2	389	0.9	55.6	9.5	585	2.38	49.4	4.8	64.7	4.5	68	6.6	5.6	4.1	83	0.98
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
<b>Prep Wash</b>																					
G1	Prep Blank	<0.01	0.4	2.4	3.7	42	<0.1	4.5	4.3	520	1.73	<0.5	2.2	2.0	3.7	44	<0.1	<0.1	<0.1	36	0.45
G1	Prep Blank	<0.01	0.3	1.5	2.5	45	<0.1	4.4	4.4	525	1.67	<0.5	2.4	1.0	4.1	41	<0.1	<0.1	<0.1	36	0.42

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 Phone (604) 253-3158 Fax (604) 253-1716

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 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

**Project:** 76  
**Report Date:** December 28, 2007

**Page:** 1 of 1 **Part** 2

**QUALITY CONTROL REPORT**

**VAN07002719.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
<b>Pulp Duplicates</b>																		
REP 73109	QC	0.078	20	35	1.22	213	0.054	3	1.79	0.142	0.25	<0.1	<0.01	3.3	<0.1	0.13	7	<0.5
73127	Drill Core	0.072	12	36	0.97	23	<0.001	4	1.27	0.015	0.09	<0.1	0.01	7.7	<0.1	0.50	5	<0.5
REP 73127	QC	0.074	13	40	0.97	25	0.001	5	1.28	0.016	0.10	<0.1	0.01	8.5	<0.1	0.50	5	<0.5
<b>Core Reject Duplicates</b>																		
73109	Drill Core	0.078	20	36	1.24	213	0.056	3	1.87	0.148	0.27	<0.1	<0.01	3.5	<0.1	0.13	7	<0.5
DUP 73109	QC	0.076	20	38	1.23	220	0.057	3	1.86	0.140	0.26	<0.1	<0.01	3.2	<0.1	0.13	7	<0.5
73157	Drill Core	0.106	12	65	1.53	525	0.006	5	2.23	0.063	0.06	<0.1	<0.01	7.1	<0.1	0.14	7	<0.5
DUP 73157	QC	0.110	13	65	1.54	533	0.006	3	2.22	0.063	0.05	<0.1	<0.01	7.0	<0.1	0.18	7	<0.5
<b>Reference Materials</b>																		
STD DS7	Standard	0.082	14	197	1.08	369	0.126	44	1.03	0.093	0.44	3.9	0.20	2.5	4.3	0.20	5	4.0
STD DS7	Standard	0.080	13	202	1.07	373	0.127	36	1.01	0.092	0.44	3.8	0.20	2.3	4.4	0.20	5	3.9
STD DS7	Standard	0.071	12	204	1.01	365	0.117	37	0.96	0.086	0.42	3.6	0.19	2.3	4.2	0.19	5	4.2
STD DS7	Standard	0.076	12	202	1.05	369	0.113	38	0.95	0.082	0.42	3.7	0.21	2.0	4.1	0.20	4	3.3
STD DS7	Standard	0.079	12	201	1.02	365	0.105	39	0.97	0.085	0.42	3.8	0.19	2.3	4.1	0.20	5	3.5
STD DS7	Standard	0.079	13	195	1.02	373	0.107	44	0.97	0.089	0.42	3.8	0.21	2.3	4.2	0.20	4	3.4
STD DS7 Expected		0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
<b>Prep Wash</b>																		
G1	Prep Blank	0.071	6	12	0.59	198	0.107	1	0.94	0.062	0.51	<0.1	<0.01	1.7	0.3	<0.05	4	<0.5
G1	Prep Blank	0.073	6	11	0.60	202	0.105	<1	0.91	0.049	0.50	<0.1	<0.01	1.7	0.4	<0.05	4	<0.5

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ACME ANALYTICAL LABORATORIES LTD.  
852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Strongbow Exploration Inc.

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project: 76

Report Date: December 17, 2007

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CERTIFICATE OF ANALYSIS

VAN07002375.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
73169	Drill Core	2.2	N.A.	0.2	22.9	2.8	50	<0.1	14.6	13.0	699	2.98	3.0	0.4	0.7	0.8	231	<0.1	0.8	<0.1	66
73170	Drill Core	1.6	N.A.	0.3	14.3	3.3	48	<0.1	13.6	12.0	606	2.82	3.8	0.5	<0.5	0.9	290	<0.1	0.4	<0.1	55
73479	Drill Core	1.7	4	0.2	19.7	3.9	37	<0.1	9.9	9.2	445	2.17	3.3	0.5	4.6	0.9	355	<0.1	0.8	<0.1	48
73171	Drill Core	4	N.A.	0.2	20.3	2.7	55	<0.1	15.2	13.9	742	3.16	2.4	0.4	0.9	0.9	178	<0.1	0.7	<0.1	62
73172	Drill Core	3.3	N.A.	0.3	24.2	3.0	55	<0.1	15.2	13.9	579	3.18	3.0	0.4	0.7	1.1	183	<0.1	1.1	<0.1	63
73173	Drill Core	4.3	N.A.	0.2	6.0	4.8	59	<0.1	18.0	13.9	735	3.47	9.5	0.6	7.6	0.8	91	<0.1	1.1	<0.1	71
73174	Drill Core	3	N.A.	0.2	25.2	4.2	57	<0.1	18.9	13.7	614	3.53	2.8	0.6	<0.5	1.1	105	<0.1	3.8	<0.1	69
73175	Rock Pulp		N.A.	11.8	113.9	21.7	86	7.7	12.1	16.8	890	3.61	8.3	0.6	4328	1.9	127	1.5	0.2	0.2	90
73176	Drill Core	2.9	N.A.	0.2	127.1	2.5	81	0.2	108.2	34.0	1142	5.67	4.2	0.3	8.5	0.7	109	0.1	0.5	<0.1	97
73177	Drill Core	3.6	N.A.	0.2	10.0	3.7	41	<0.1	19.4	11.9	306	3.11	14.7	0.4	2.8	0.8	95	<0.1	1.0	<0.1	23
73178	Drill Core	0.7	<2	0.2	23.0	2.7	76	<0.1	28.5	18.3	877	3.19	4.2	0.2	0.8	0.6	84	0.1	0.2	<0.1	39
73179	Drill Core	3.3	<2	0.2	15.6	4.7	66	<0.1	23.4	14.4	781	3.34	4.9	0.3	0.6	0.8	86	0.1	0.4	<0.1	33
73180	Drill Core	3.2	<2	0.1	28.7	2.4	71	<0.1	23.7	16.9	712	3.43	1.2	0.2	<0.5	0.7	85	<0.1	0.1	<0.1	39
73181	Drill Core	1.4	<2	0.3	54.9	2.5	40	0.2	13.9	11.3	638	2.45	3.5	0.2	0.8	0.6	109	<0.1	0.2	<0.1	20
73182	Drill Core	1.6	<2	0.9	14.8	4.1	42	<0.1	14.4	10.3	1832	2.88	1.3	0.2	0.8	0.1	218	0.2	<0.1	<0.1	20
73183	Drill Core	0.7	<2	0.3	3.8	1.8	27	<0.1	7.7	5.9	609	1.78	0.7	<0.1	<0.5	0.3	64	<0.1	0.2	<0.1	44
73184	Drill Core	3	<2	0.2	48.9	2.4	38	0.1	12.2	9.8	578	2.47	1.9	0.2	<0.5	0.6	103	<0.1	0.1	<0.1	47
73185	Drill Core	3.5	<2	0.4	108.2	2.8	48	0.3	15.5	11.9	431	2.84	1.8	0.2	<0.5	0.6	57	<0.1	0.3	<0.1	35
73186	Drill Core	3.5	<2	0.3	24.0	3.2	46	0.1	15.4	12.9	399	2.98	3.1	0.1	0.7	0.6	93	<0.1	0.1	<0.1	27
73187	Drill Core	3.3	<2	1.0	27.1	2.6	50	0.1	16.3	12.2	524	2.86	1.5	0.2	<0.5	0.7	114	<0.1	<0.1	<0.1	39
73188	Drill Core	3.1	<2	<0.1	20.7	2.0	62	<0.1	22.2	15.1	537	3.31	1.2	0.2	<0.5	0.7	117	<0.1	<0.1	<0.1	53
73189	Drill Core	3.5	N.A.	0.1	26.9	2.1	58	<0.1	21.9	15.4	737	3.34	1.2	0.3	<0.5	0.8	129	0.1	<0.1	<0.1	52
73190	Drill Core	3.6	N.A.	0.1	29.0	1.8	64	<0.1	23.7	18.2	634	3.79	1.1	0.4	<0.5	0.9	111	<0.1	<0.1	<0.1	60
73191	Rock	0.7	N.A.	0.4	37.0	1.4	65	<0.1	30.9	17.9	695	3.86	1.2	0.3	<0.5	0.5	50	<0.1	<0.1	<0.1	82
73192	Drill Core	4	N.A.	0.2	44.4	1.4	64	<0.1	22.2	16.8	552	3.47	1.4	0.3	<0.5	0.7	124	<0.1	<0.1	<0.1	56
73193	Drill Core	3.9	N.A.	0.2	40.2	2.9	65	0.4	23.0	16.3	1481	3.32	2.5	0.3	2.7	0.8	123	0.3	0.2	<0.1	64
73194	Drill Core	3.5	N.A.	0.2	22.5	2.9	75	0.1	29.8	19.6	724	3.76	1.4	0.3	<0.5	0.8	101	<0.1	<0.1	<0.1	62
73195	Drill Core	3.5	N.A.	0.1	25.8	1.9	70	<0.1	24.0	16.6	693	3.58	1.1	0.2	<0.5	0.7	77	<0.1	<0.1	<0.1	50
73196	Drill Core	3.3	N.A.	0.1	16.0	2.8	71	<0.1	27.9	17.8	530	3.49	1.7	0.3	<0.5	0.7	110	<0.1	<0.1	<0.1	55
73197	Drill Core	3.1	N.A.	0.2	22.2	2.0	64	<0.1	25.4	16.0	842	3.59	1.5	0.4	<0.5	0.7	117	<0.1	<0.1	<0.1	77

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Strongbow Exploration Inc.  
 800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76  
 Report Date: December 17, 2007

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CERTIFICATE OF ANALYSIS

VAN07002375.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
73169	Drill Core			3.12	0.052	8	35	1.66	62	0.004	2	2.51	0.064	0.04	<0.1	<0.01	5.4	<0.1	<0.05	7	<0.5
73170	Drill Core			3.23	0.051	8	33	1.40	145	0.002	3	2.46	0.061	0.04	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5
73479	Drill Core			5.75	0.057	11	21	0.77	598	0.002	4	1.88	0.071	0.08	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5
73171	Drill Core			3.20	0.053	7	36	1.44	94	<0.001	5	2.37	0.067	0.04	<0.1	<0.01	4.8	<0.1	<0.05	7	<0.5
73172	Drill Core			2.70	0.062	8	37	1.29	61	0.002	5	2.28	0.079	0.04	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5
73173	Drill Core			2.13	0.058	8	54	2.91	33	0.007	3	2.96	0.058	0.05	<0.1	<0.01	6.8	<0.1	<0.05	9	<0.5
73174	Drill Core			2.60	0.056	9	54	1.74	175	0.010	3	2.10	0.083	0.04	<0.1	<0.01	5.8	<0.1	<0.05	7	<0.5
73175	Rock Pulp			2.09	0.078	13	20	1.12	107	0.084	4	2.29	0.102	0.24	0.1	0.04	7.4	0.1	0.62	7	0.9
73176	Drill Core			3.22	0.097	13	131	3.23	16	0.014	3	3.50	0.023	0.05	<0.1	<0.01	9.7	<0.1	<0.05	12	<0.5
73177	Drill Core			3.60	0.073	16	28	0.61	170	0.020	4	1.13	0.024	0.16	<0.1	<0.01	3.4	<0.1	<0.05	3	<0.5
73178	Drill Core			4.78	0.072	13	53	1.53	14	0.003	5	2.16	0.024	0.10	<0.1	<0.01	8.0	<0.1	<0.05	7	<0.5
73179	Drill Core			4.39	0.082	16	32	0.82	35	0.006	4	1.64	0.025	0.18	<0.1	<0.01	5.8	<0.1	<0.05	5	<0.5
73180	Drill Core			4.76	0.079	12	33	0.88	16	<0.001	4	1.60	0.020	0.15	<0.1	<0.01	6.8	<0.1	<0.05	6	<0.5
73181	Drill Core			5.57	0.060	9	13	0.90	350	<0.001	3	0.65	0.014	0.15	<0.1	<0.01	3.9	<0.1	<0.05	1	<0.5
73182	Drill Core			17.06	0.013	6	4	3.14	1707	<0.001	1	0.34	0.009	0.01	<0.1	<0.01	2.0	<0.1	<0.05	<1	<0.5
73183	Drill Core			4.80	0.029	5	12	1.13	50	0.002	3	0.41	0.008	0.01	<0.1	<0.01	3.9	<0.1	<0.05	1	<0.5
73184	Drill Core			6.24	0.075	8	19	0.48	100	0.002	6	0.72	0.011	0.10	<0.1	<0.01	7.4	<0.1	0.24	1	<0.5
73185	Drill Core			3.28	0.078	7	18	0.82	39	0.002	5	0.75	0.012	0.10	<0.1	<0.01	8.6	<0.1	0.41	2	<0.5
73186	Drill Core			4.52	0.065	10	19	0.61	26	<0.001	3	0.80	0.020	0.10	<0.1	<0.01	7.9	<0.1	0.75	2	0.6
73187	Drill Core			6.19	0.073	13	24	0.83	42	<0.001	3	0.98	0.026	0.09	<0.1	<0.01	7.2	<0.1	0.12	3	<0.5
73188	Drill Core			3.84	0.078	11	49	1.64	23	<0.001	5	2.48	0.042	0.07	<0.1	<0.01	6.5	<0.1	<0.05	9	<0.5
73189	Drill Core			4.46	0.075	13	51	1.77	115	<0.001	5	2.63	0.048	0.07	<0.1	0.03	5.0	<0.1	<0.05	8	<0.5
73190	Drill Core			2.61	0.093	12	62	2.02	53	<0.001	3	2.87	0.061	0.08	<0.1	<0.01	5.2	<0.1	<0.05	10	<0.5
73191	Rock			1.75	0.156	12	28	2.01	28	0.135	1	2.12	0.025	0.06	<0.1	<0.01	6.1	<0.1	<0.05	9	<0.5
73192	Drill Core			2.91	0.087	13	58	1.89	310	<0.001	2	2.76	0.061	0.08	<0.1	<0.01	4.6	<0.1	<0.05	9	<0.5
73193	Drill Core			5.37	0.081	15	60	1.70	493	0.002	4	2.36	0.064	0.08	<0.1	<0.01	4.1	<0.1	<0.05	8	<0.5
73194	Drill Core			2.21	0.083	10	62	2.02	145	0.002	4	2.82	0.063	0.08	<0.1	<0.01	6.9	<0.1	<0.05	10	<0.5
73195	Drill Core			2.07	0.094	12	63	2.09	21	0.001	4	2.61	0.058	0.06	<0.1	<0.01	6.3	<0.1	<0.05	10	<0.5
73196	Drill Core			1.30	0.105	13	65	2.11	16	0.001	6	2.74	0.069	0.05	<0.1	<0.01	8.0	<0.1	<0.05	10	<0.5
73197	Drill Core			2.33	0.091	12	64	2.06	222	0.038	3	2.45	0.093	0.04	<0.1	<0.01	7.7	<0.1	<0.05	8	<0.5

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# AcmeLabs

ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

**Strongbow Exploration Inc.**

800 - 625 Howe St.  
Vancouver BC V6C 2T6 Canada

Project:

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December 17, 2007

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Part 1

## CERTIFICATE OF ANALYSIS

**VAN07002375.1**

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
73198	Drill Core	3.5	N.A.	<0.1	27.9	2.0	65	<0.1	24.7	15.7	542	3.56	1.2	0.4	<0.5	0.8	154	<0.1	<0.1	<0.1	63
73199	Drill Core	3.6	N.A.	0.1	9.0	2.2	78	<0.1	25.5	18.4	769	3.49	1.2	0.5	<0.5	0.8	122	<0.1	<0.1	<0.1	51
73200	Rock Pulp		N.A.	2.1	111.3	14.3	86	1.0	96.9	23.0	2435	7.69	7646	0.6	7838	2.3	60	0.2	7.0	0.5	39
73201	Rock	0.6	N.A.	0.8	43.9	1.9	70	<0.1	84.8	26.0	776	4.17	1.1	0.2	<0.5	0.5	57	0.1	<0.1	<0.1	97
73202	Drill Core	3.9	<2	2.7	41.1	7.0	82	0.1	33.8	43.5	2558	5.33	2.8	1.0	<0.5	0.9	122	0.2	0.4	<0.1	129
73203	Drill Core	3.2	<2	0.3	31.8	3.8	57	<0.1	26.9	17.3	965	3.29	1.2	0.3	<0.5	0.7	85	0.2	0.2	<0.1	82
73204	Drill Core	4.1	<2	0.2	26.1	3.5	50	<0.1	21.9	14.5	782	3.06	<0.5	0.2	<0.5	0.6	104	<0.1	<0.1	<0.1	69
73205	Drill Core	3.7	<2	0.3	37.0	4.0	58	<0.1	23.4	17.5	895	3.81	2.2	0.3	0.5	0.6	87	<0.1	0.3	0.1	103
73206	Drill Core	3.6	<2	0.3	31.5	2.9	65	<0.1	27.7	19.0	841	3.62	0.8	0.2	<0.5	0.7	81	<0.1	<0.1	<0.1	86
73207	Drill Core	3	N.A.	0.3	21.3	5.6	86	<0.1	50.2	23.4	900	4.42	1.2	0.7	<0.5	1.7	181	<0.1	0.1	<0.1	45
73208	Drill Core	3.6	N.A.	1.0	57.4	2.5	60	<0.1	51.8	22.8	756	3.95	0.7	0.4	<0.5	0.8	155	<0.1	<0.1	<0.1	67
73209	Drill Core	3.4	N.A.	0.2	42.1	2.5	65	<0.1	46.2	17.2	1032	3.28	<0.5	0.3	<0.5	1.1	219	<0.1	0.4	<0.1	46
73210	Drill Core	3.4	N.A.	0.1	38.2	2.7	65	<0.1	37.7	17.1	772	3.43	1.2	0.5	<0.5	1.0	178	<0.1	0.5	<0.1	69
73211	Drill Core	4.2	N.A.	0.2	153.8	4.1	81	0.1	51.6	23.2	849	4.26	1.8	0.7	<0.5	1.0	146	0.2	0.8	<0.1	88
73212	Drill Core	4.2	N.A.	0.2	12.2	2.6	72	<0.1	61.2	20.5	775	4.10	2.9	0.5	33.8	1.0	126	<0.1	0.3	<0.1	82
73213	Drill Core	3.6	N.A.	0.2	32.9	3.0	65	<0.1	53.9	21.3	541	4.16	1.7	0.3	<0.5	0.8	183	<0.1	0.2	<0.1	77
73478	Drill Core	4.1	N.A.	0.2	32.9	3.0	65	<0.1	53.9	21.3	541	4.16	1.7	0.3	<0.5	0.8	183	<0.1	0.2	<0.1	77
73478	Drill Core	3.5	5	0.1	7.2	3.2	62	<0.1	27.2	19.1	433	3.58	3.6	0.3	<0.5	0.8	93	<0.1	0.3	<0.1	26



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Vancouver BC V6C 2T6 Canada

Project:

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Part 2

## CERTIFICATE OF ANALYSIS

VAN07002375 1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
73198	Drill Core	2.11	0.088	13	63	1.74	138	0.002	4	2.48	0.053	0.08	<0.1	<0.01	7.0	<0.1	0.09	9	<0.5
73199	Drill Core	1.99	0.096	11	62	1.77	151	0.002	4	2.55	0.067	0.12	<0.1	<0.01	6.5	<0.1	<0.05	8	<0.5
73200	Rock Pulp	1.16	0.143	12	32	1.73	54	0.053	<1	1.36	0.139	0.06	0.5	<0.01	2.2	<0.1	2.84	5	6.0
73201	Rock	1.68	0.159	14	75	2.94	31	0.128	1	2.58	0.028	0.02	<0.1	<0.01	8.2	<0.1	<0.05	10	<0.5
73202	Drill Core	4.34	0.087	15	51	0.81	773	0.008	6	2.03	0.029	0.07	<0.1	0.01	8.6	<0.1	<0.05	10	<0.5
73203	Drill Core	5.02	0.095	15	62	0.94	58	0.004	5	1.70	0.036	0.06	<0.1	<0.01	7.8	<0.1	<0.05	8	<0.5
73204	Drill Core	6.27	0.097	14	56	0.87	77	0.003	4	1.62	0.033	0.06	<0.1	<0.01	8.0	<0.1	<0.05	7	<0.5
73205	Drill Core	2.11	0.101	14	59	1.08	58	0.004	5	1.66	0.042	0.05	<0.1	0.02	6.1	<0.1	0.66	8	<0.5
73206	Drill Core	2.27	0.098	13	74	1.39	69	0.004	3	1.84	0.049	0.05	<0.1	<0.01	6.5	<0.1	0.06	9	<0.5
73207	Drill Core	1.19	0.104	16	54	1.50	98	0.004	7	2.56	0.056	0.17	<0.1	<0.01	5.2	<0.1	<0.05	7	<0.5
73208	Drill Core	1.73	0.103	13	66	2.41	523	0.004	7	3.37	0.064	0.06	<0.1	<0.01	5.4	<0.1	<0.05	9	<0.5
73209	Drill Core	3.57	0.087	12	70	1.56	461	0.015	4	2.60	0.084	0.07	<0.1	0.06	4.4	<0.1	<0.05	6	<0.5
73210	Drill Core	1.43	0.092	10	42	1.49	251	0.090	4	2.80	0.195	0.03	<0.1	<0.01	4.0	<0.1	<0.05	8	<0.5
73211	Drill Core	1.86	0.139	13	82	2.57	56	0.067	4	3.46	0.116	0.06	<0.1	<0.01	6.1	<0.1	<0.05	11	<0.5
73212	Drill Core	1.48	0.138	12	113	2.34	248	0.032	3	2.53	0.070	0.04	<0.1	<0.01	4.8	<0.1	<0.05	8	<0.5
73213	Drill Core	2.33	0.131	17	93	2.94	43	0.002	2	3.24	0.058	0.03	<0.1	<0.01	5.3	<0.1	<0.05	10	<0.5
73478	Drill Core	3.03	0.077	16	38	1.23	113	0.018	5	1.81	0.030	0.14	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5



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Project: 76  
 Report Date: December 17, 2007

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**QUALITY CONTROL REPORT**

**VAN07002375.1**

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
Pulp Duplicates																					
REP G1	QC		0.3	2.1	2.6	49	<0.1	4.5	4.0	548	1.83	0.5	3.0	1.4	4.7	48	<0.1	<0.1	<0.1	36	
REP 73193	QC		0.2	41.0	2.7	64	0.4	22.9	16.8	1484	3.32	2.4	0.3	0.7	0.8	125	0.3	<0.1	<0.1	64	
73208	Drill Core	3.6	N.A.	1.0	57.4	2.5	60	<0.1	51.8	22.8	756	3.95	0.7	0.4	<0.5	0.8	155	<0.1	<0.1	<0.1	67
REP 73208	QC		1.0	57.8	2.5	62	<0.1	53.2	23.7	794	4.00	0.7	0.4	<0.5	0.8	159	<0.1	<0.1	<0.1	68	
Core Reject Duplicates																					
73193	Drill Core	3.9	N.A.	0.2	40.2	2.9	65	0.4	23.0	16.3	1481	3.32	2.5	0.3	2.7	0.8	123	0.3	0.2	<0.1	64
DUP 73193	QC		N.A.	0.1	32.0	1.9	67	0.1	22.7	15.5	839	3.31	2.0	0.2	<0.5	0.7	115	<0.1	<0.1	<0.1	56
Reference Materials																					
STD DS7	Standard		20.5	104.6	72.0	398	0.8	54.1	9.4	607	2.40	45.0	5.2	62.0	4.4	63	6.0	5.7	4.9	81	
STD DS7	Standard		21.4	108.5	69.7	397	0.9	59.9	10.1	641	2.40	47.6	4.8	77.7	4.6	67	6.4	5.9	5.0	88	
STD DS7	Standard		19.1	101.9	67.3	405	0.8	53.1	9.0	627	2.36	47.2	4.8	65.6	4.4	69	6.0	5.3	4.3	77	
STD DS7	Standard		19.1	101.8	64.3	379	0.9	49.7	8.5	587	2.26	45.0	4.8	62.5	4.3	71	5.6	5.4	4.1	73	
STD DS7	Standard		19.8	107.6	69.7	393	1.1	53.0	8.8	626	2.37	47.7	5.1	67.0	4.9	81	5.9	6.3	4.9	83	
STD DS7	Standard		20.9	111.6	72.9	396	1.1	53.8	9.1	597	2.42	49.2	5.4	58.9	5.3	81	5.9	6.8	4.9	82	
STD OXD57	Standard	443																			
STD OXD57	Standard	428																			
STD OXD57	Standard	414																			
STD OXD57	Standard	417																			
STD OXD57 Expected		413																			
STD DS7 Expected			20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	2.9	<0.1	<1	<0.1	<0.1	<0.1	<2	
Prep Wash																					

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**Project:** 76  
**Report Date:** December 17, 2007

**Page:** 1 of 2 Part 2

**QUALITY CONTROL REPORT**

**VAN07002375.1**

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																					
REP G1	QC			0.55	0.082	7	14	0.64	204	0.108	1	0.91	0.047	0.51	<0.1	<0.01	1.6	0.4	<0.05	5	<0.5
REP 73193	QC			5.35	0.082	15	60	1.70	493	0.002	3	2.33	0.063	0.08	<0.1	<0.01	4.0	<0.1	<0.05	8	<0.5
73208	Drill Core			1.73	0.103	13	66	2.41	523	0.004	7	3.37	0.064	0.06	<0.1	<0.01	5.4	<0.1	<0.05	9	<0.5
REP 73208	QC			1.64	0.106	13	68	2.49	518	0.004	5	3.44	0.064	0.06	<0.1	0.01	5.4	<0.1	<0.05	9	<0.5
Core Reject Duplicates																					
73193	Drill Core			5.37	0.081	15	60	1.70	493	0.002	4	2.36	0.064	0.08	<0.1	<0.01	4.1	<0.1	<0.05	8	<0.5
DUP 73193	QC			3.55	0.082	12	56	1.82	245	<0.001	4	2.61	0.056	0.09	<0.1	0.01	3.9	<0.1	<0.05	9	<0.5
Reference Materials																					
STD DS7	Standard			0.91	0.075	12	179	1.04	396	0.107	40	0.98	0.068	0.42	4.3	0.21	2.2	4.8	0.21	5	3.6
STD DS7	Standard			0.94	0.074	13	194	1.09	399	0.113	44	1.02	0.070	0.44	4.3	0.22	2.5	4.5	0.21	5	3.9
STD DS7	Standard			0.97	0.078	12	186	1.10	362	0.105	38	1.03	0.075	0.46	3.5	0.21	2.3	4.0	0.19	5	3.8
STD DS7	Standard			0.97	0.070	13	178	1.05	365	0.105	35	1.04	0.072	0.43	3.5	0.18	2.4	3.9	0.18	5	3.5
STD DS7	Standard			0.97	0.074	14	193	1.05	383	0.130	43	1.02	0.090	0.44	4.0	0.20	2.4	4.2	0.18	5	4.1
STD DS7	Standard			0.98	0.076	14	188	1.06	379	0.130	43	1.03	0.096	0.44	3.8	0.19	2.5	4.3	0.18	5	3.8
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57 Expected																					
STD DS7 Expected				0.93	0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank			<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank																				
BLK	Blank			<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank			<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank			<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																					

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December 17, 2007

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Part 1

## QUALITY CONTROL REPORT

**VAN07002375.1**

		WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
G1	Prep Blank	<0.01	<2																			
G1	Prep Blank	<0.01	<2	0.2	1.5	2.6	45	<0.1	3.8	3.8	513	1.73	<0.5	2.6	<0.5	4.2	46	<0.1	<0.1	<0.1	35	
G1	Prep Blank			0.3	1.9	2.4	44	<0.1	3.9	3.8	520	1.77	<0.5	2.7	2.8	4.3	45	<0.1	<0.1	<0.1	34	





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**Project:** 76  
**Report Date:** December 17, 2007

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**QUALITY CONTROL REPORT**

**VAN07002375.1**

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
G1	Prep Blank																		
G1	Prep Blank	0.54	0.075	6	12	0.63	195	0.101	1	0.91	0.044	0.48	0.1	<0.01	1.7	0.3	<0.05	4	<0.5
G1	Prep Blank	0.55	0.078	7	14	0.62	195	0.103	<1	0.93	0.048	0.48	<0.1	<0.01	1.6	0.3	<0.05	5	<0.5

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 Phone (604) 253-3158 Fax (604) 253-1716

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Report Date: December 22, 2007

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CERTIFICATE OF ANALYSIS

VAN07002382.1

	Method Analyte Unit MDL	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.6	0.1	0.6	0.1	1	0.1	0.1	0.1	0.1
73214	Drill Core	3.40	N.A.	0.2	23.5	25.8	96	<0.1	17.1	15.2	893	3.60	2.4	0.9	<0.5	0.9	50	0.2	1.2	<0.1	109	
73215	Drill Core	3.60	N.A.	0.1	20.5	6.2	67	<0.1	19.0	15.4	401	3.63	4.0	0.4	<0.5	0.8	71	<0.1	1.0	<0.1	71	
73216	Drill Core	3.30	N.A.	0.1	26.0	7.3	63	<0.1	15.5	14.5	492	3.77	5.7	0.8	<0.5	0.8	106	<0.1	1.5	<0.1	116	
73217	Drill Core	4.20	N.A.	0.1	20.1	7.3	61	<0.1	18.3	14.7	443	3.70	10.6	0.6	3.7	1.0	50	<0.1	1.4	<0.1	72	
73218	Drill Core	3.40	N.A.	0.2	23.4	6.2	61	<0.1	19.2	14.3	630	3.65	5.0	0.5	<0.5	0.7	216	<0.1	0.8	<0.1	68	
73219	Drill Core	1.40	N.A.	0.1	44.9	4.3	86	0.1	102.7	34.2	705	5.33	3.4	0.2	<0.5	0.5	163	<0.1	0.3	<0.1	63	
73220	Drill Core	1.30	N.A.	0.1	47.2	3.4	93	<0.1	107.0	32.0	731	5.31	3.3	0.2	<0.5	0.4	146	<0.1	0.3	<0.1	60	
73221	Drill Core	4.60	2	0.2	52.8	2.6	76	0.1	96.1	31.2	961	5.27	2.7	0.2	0.8	0.6	161	0.1	0.4	<0.1	72	
73222	Drill Core	3.70	<2	<0.1	32.3	2.3	70	<0.1	54.4	24.6	957	4.38	2.1	0.2	<0.5	0.8	183	<0.1	0.3	<0.1	64	
73223	Drill Core	3.80	<2	<0.1	25.4	2.3	59	<0.1	21.2	13.5	696	3.11	1.4	0.1	1.4	0.5	207	<0.1	0.1	<0.1	40	
73224	Drill Core	3.70	<2	0.1	27.7	2.8	62	<0.1	21.6	14.7	516	3.35	2.3	0.1	<0.5	0.6	173	<0.1	0.2	<0.1	50	
73225	Drill Core		N.A.	10.9	107.9	20.5	81	8.8	11.2	17.1	907	3.42	8.3	0.6	3733	1.8	125	1.4	0.3	0.2	89	
73226	Drill Core	3.60	<2	0.1	24.4	2.8	57	<0.1	20.3	13.9	496	3.26	2.1	0.2	1.1	0.7	149	<0.1	0.1	<0.1	49	
73227	Drill Core	3.40	<2	0.1	25.1	2.3	57	<0.1	19.1	12.8	401	3.12	1.4	0.2	<0.5	0.7	133	<0.1	<0.1	<0.1	47	
73228	Drill Core	3.30	<2	0.1	18.7	2.7	50	<0.1	17.9	13.1	609	3.05	1.5	0.1	<0.5	0.6	141	<0.1	<0.1	<0.1	45	
73229	Drill Core	3.60	<2	0.1	16.8	3.0	55	<0.1	19.6	13.2	695	2.96	1.4	0.2	<0.5	0.6	145	0.1	<0.1	<0.1	46	
73230	Drill Core	3.50	<2	0.1	26.2	2.8	62	<0.1	19.0	14.1	661	2.95	1.1	0.2	0.6	0.7	118	<0.1	<0.1	<0.1	44	
73231	Drill Core	0.60	N.A.	0.4	43.8	2.9	66	<0.1	33.2	18.2	738	3.89	1.1	0.5	<0.5	1.3	63	0.1	<0.1	<0.1	82	
73232	Drill Core	3.80	<2	0.3	28.6	2.7	57	<0.1	56.0	19.6	824	3.79	1.0	0.3	<0.5	0.9	106	<0.1	<0.1	<0.1	70	
73233	Drill Core	3.90	<2	0.2	28.7	2.9	59	<0.1	42.2	17.5	884	3.42	1.2	0.3	<0.5	0.7	113	0.1	<0.1	<0.1	63	
73234	Drill Core	3.40	<2	0.2	20.9	4.1	59	<0.1	22.9	15.3	863	3.22	1.5	0.5	1.0	0.6	89	<0.1	0.2	<0.1	76	
73235	Drill Core	3.70	N.A.	0.2	22.8	3.7	57	<0.1	24.6	17.5	371	3.40	2.1	0.5	1.8	0.6	64	<0.1	0.4	<0.1	84	
73236	Drill Core	3.80	N.A.	0.3	23.3	2.6	58	<0.1	24.6	16.9	677	3.36	0.9	0.3	1.3	0.9	104	<0.1	<0.1	<0.1	66	
73237	Drill Core	3.50	<2	0.2	23.6	2.1	56	<0.1	23.5	16.1	863	3.17	1.2	0.3	1.8	0.6	120	<0.1	<0.1	<0.1	54	
73238	Drill Core	4.40	<2	0.2	34.0	3.0	63	<0.1	25.8	18.1	490	3.64	1.1	0.2	0.6	0.6	93	<0.1	<0.1	<0.1	62	
73239	Drill Core	3.60	N.A.	0.2	27.5	2.8	64	<0.1	25.8	18.0	706	3.79	0.9	0.2	1.2	0.6	71	<0.1	<0.1	<0.1	61	
73240	Drill Core	4.00	N.A.	0.3	34.4	3.5	60	<0.1	25.6	17.8	671	3.46	0.8	0.5	<0.5	0.7	64	0.1	0.1	<0.1	80	
73241	Drill Core	3.60	<2	0.3	27.6	3.0	64	<0.1	25.8	16.7	713	3.61	1.2	0.5	<0.5	0.8	64	<0.1	0.1	<0.1	74	
73242	Drill Core	3.20	<2	0.2	30.6	3.8	62	<0.1	24.5	16.2	747	3.36	1.7	0.5	1.1	0.9	60	0.1	0.3	<0.1	83	
73243	Drill Core	4.00	<2	0.2	31.1	3.4	67	<0.1	29.1	19.9	760	3.73	1.3	0.5	0.7	0.6	73	<0.1	0.2	<0.1	84	

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852 E Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Strongbow Exploration Inc.

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project:

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Report Date:

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Part 2

CERTIFICATE OF ANALYSIS

VAN07002382.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
73214	Drill Core	1.66	0.070	7	42	2.01	53	0.141	2	2.61	0.079	0.05	0.1	<0.01	7.5	<0.1	<0.05	8	<0.5
73215	Drill Core	1.35	0.060	8	43	2.00	83	0.006	2	2.67	0.070	0.11	<0.1	<0.01	5.3	<0.1	<0.05	9	<0.5
73216	Drill Core	1.62	0.069	7	42	2.73	127	0.079	4	3.13	0.095	0.05	0.2	<0.01	7.1	<0.1	<0.05	10	<0.5
73217	Drill Core	1.67	0.065	7	56	2.28	135	0.018	2	2.71	0.049	0.08	<0.1	<0.01	7.1	<0.1	<0.05	9	<0.5
73218	Drill Core	1.78	0.058	7	58	2.94	80	0.002	2	3.27	0.056	0.04	<0.1	<0.01	5.7	<0.1	<0.05	9	<0.5
73219	Drill Core	1.42	0.132	12	100	2.54	28	0.003	3	3.34	0.013	0.17	<0.1	<0.01	7.0	<0.1	<0.05	10	<0.5
73220	Drill Core	1.42	0.105	10	93	2.61	25	0.003	3	3.27	0.012	0.15	<0.1	<0.01	7.1	<0.1	<0.05	10	<0.5
73221	Drill Core	3.09	0.118	9	108	2.27	38	0.003	3	3.08	0.031	0.09	<0.1	<0.01	7.1	<0.1	0.44	10	<0.5
73222	Drill Core	2.85	0.117	12	123	2.30	59	0.007	3	3.20	0.263	0.07	<0.1	<0.01	6.7	<0.1	0.10	9	<0.5
73223	Drill Core	3.23	0.073	10	54	1.35	203	0.001	4	2.10	0.053	0.08	<0.1	<0.01	5.6	<0.1	<0.05	7	<0.5
73224	Drill Core	2.85	0.078	12	60	1.92	139	0.001	4	2.55	0.061	0.07	<0.1	<0.01	5.6	<0.1	<0.05	9	<0.5
73225	Drill Core	1.99	0.082	12	19	1.08	106	0.090	4	2.20	0.124	0.25	0.1	0.03	6.8	0.1	0.60	7	0.7
73226	Drill Core	2.45	0.075	10	56	1.86	489	0.001	4	2.42	0.056	0.08	<0.1	<0.01	5.6	<0.1	0.06	8	<0.5
73227	Drill Core	2.76	0.081	10	54	1.75	37	0.001	4	2.28	0.058	0.08	<0.1	<0.01	5.5	<0.1	0.35	8	<0.5
73228	Drill Core	3.43	0.073	10	50	1.70	80	<0.001	3	2.19	0.055	0.09	<0.1	0.01	5.4	<0.1	0.35	7	<0.5
73229	Drill Core	4.02	0.077	12	52	1.68	313	<0.001	5	2.20	0.062	0.07	<0.1	<0.01	5.8	<0.1	0.41	7	<0.5
73230	Drill Core	3.25	0.076	10	53	1.44	80	0.001	5	2.11	0.057	0.10	<0.1	<0.01	5.5	<0.1	0.40	7	<0.5
73231	Drill Core	2.72	0.122	12	8	1.73	57	0.271	2	2.21	0.024	0.12	<0.1	<0.01	5.8	<0.1	<0.05	8	<0.5
73232	Drill Core	3.37	0.096	11	79	2.22	37	0.015	4	2.61	0.076	0.05	<0.1	0.01	6.6	<0.1	0.31	8	<0.5
73233	Drill Core	3.83	0.090	11	75	1.98	244	0.004	4	2.53	0.066	0.09	<0.1	<0.01	6.0	<0.1	0.39	8	<0.5
73234	Drill Core	2.89	0.082	7	61	1.87	22	0.181	4	2.65	0.109	0.06	0.1	<0.01	4.7	<0.1	0.37	7	<0.5
73235	Drill Core	1.47	0.081	7	66	2.28	25	0.229	4	2.48	0.096	0.04	0.1	<0.01	4.3	<0.1	0.13	9	<0.5
73236	Drill Core	3.17	0.082	10	63	1.74	19	0.027	5	2.53	0.087	0.10	<0.1	<0.01	5.5	<0.1	0.39	8	<0.5
73237	Drill Core	3.99	0.093	12	60	1.61	125	0.003	5	2.32	0.073	0.10	<0.1	<0.01	5.3	<0.1	0.23	8	<0.5
73238	Drill Core	2.39	0.079	10	68	1.97	157	0.002	5	2.46	0.074	0.08	<0.1	<0.01	4.9	<0.1	0.34	9	<0.5
73239	Drill Core	1.81	0.074	7	67	1.70	51	0.005	4	2.17	0.081	0.07	<0.1	<0.01	4.2	<0.1	0.58	8	<0.5
73240	Drill Core	1.96	0.075	7	66	1.73	33	0.117	4	2.14	0.087	0.05	<0.1	<0.01	5.3	<0.1	0.36	7	<0.5
73241	Drill Core	1.93	0.103	8	74	1.67	23	0.110	4	2.07	0.084	0.06	0.1	0.01	5.4	<0.1	0.81	7	<0.5
73242	Drill Core	2.26	0.108	8	71	1.74	22	0.151	4	2.14	0.093	0.08	0.1	<0.01	5.3	<0.1	0.48	8	<0.5
73243	Drill Core	2.29	0.102	9	74	2.20	29	0.134	5	2.64	0.122	0.08	0.1	<0.01	6.3	<0.1	0.57	8	<0.5

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852 E Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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800 - 625 Howe St.  
 Vancouver BC V8C 2T6 Canada

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Part 1

**CERTIFICATE OF ANALYSIS**

**VAN07002382.1**

	Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Analyte	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1
73244	Drill Core	4.50	<2	0.4	33.2	2.7	66	<0.1	27.7	19.6	867	3.71	0.8	0.6	0.7	0.8	94	<0.1	0.2	<0.1	101
73245	Drill Core	3.70	<2	0.1	32.4	2.5	57	<0.1	22.4	15.4	606	3.23	1.0	0.2	<0.5	0.6	88	<0.1	<0.1	<0.1	50
73246	Drill Core	3.60	<2	0.3	29.7	3.0	66	<0.1	26.4	17.6	774	3.84	1.2	0.3	1.3	0.8	89	<0.1	0.1	<0.1	73
73247	Drill Core	4.00	<2	0.3	35.4	3.5	65	<0.1	24.4	16.9	660	3.33	1.4	0.5	<0.5	1.0	72	0.1	0.2	<0.1	71
73248	Drill Core	3.50	<2	0.2	24.3	3.0	68	<0.1	27.4	17.4	380	3.50	1.7	0.3	<0.5	0.8	77	<0.1	<0.1	<0.1	55
73249	Drill Core	3.60	<2	0.2	15.6	3.2	61	<0.1	25.0	16.8	348	3.44	1.5	0.2	0.6	0.8	76	<0.1	<0.1	<0.1	59
73250	Drill Core		N.A.	2.1	111.3	14.6	86	0.9	103.5	25.7	2520	8.08	7937	0.6	6832	2.2	58	0.2	7.1	0.5	44
73251	Drill Core	3.10	N.A.	0.2	13.9	2.1	62	<0.1	25.4	16.8	414	3.28	8.1	0.2	7.0	0.8	84	<0.1	0.1	<0.1	65
73252	Drill Core	3.00	4	0.1	5.4	2.5	60	<0.1	24.7	15.9	616	2.93	1.0	0.2	1.3	0.6	104	<0.1	0.2	<0.1	58
73253	Drill Core	4.10	<2	0.2	8.7	2.5	37	<0.1	16.2	10.8	457	2.09	0.8	0.2	2.3	0.6	138	<0.1	0.2	<0.1	44
73254	Drill Core	3.10	<2	0.6	30.3	3.3	67	<0.1	26.1	18.4	813	3.76	0.8	0.6	1.3	1.0	64	<0.1	0.1	<0.1	98

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 Phone (604) 253-3158 Fax (604) 253-1716

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**CERTIFICATE OF ANALYSIS**

**VAN07002382.1**

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
73244	Drill Core	2.59	0.095	10	71	2.20	17	0.140	4	2.53	0.093	0.05	<0.1	<0.01	7.3	<0.1	0.19	9	<0.5
73245	Drill Core	2.98	0.085	9	56	1.40	95	0.004	5	1.92	0.054	0.10	<0.1	0.02	4.1	<0.1	0.97	6	<0.5
73246	Drill Core	2.43	0.091	10	68	1.90	115	0.025	5	2.35	0.073	0.08	<0.1	<0.01	5.5	<0.1	0.80	8	<0.5
73247	Drill Core	2.22	0.094	11	66	1.50	41	0.092	4	1.92	0.082	0.08	0.1	<0.01	6.2	<0.1	0.63	7	<0.5
73248	Drill Core	1.91	0.090	11	68	1.58	24	0.004	5	1.99	0.067	0.11	<0.1	<0.01	5.1	<0.1	0.88	8	<0.5
73249	Drill Core	1.83	0.078	10	70	1.70	29	0.008	4	2.01	0.073	0.07	<0.1	<0.01	5.3	<0.1	0.93	8	<0.5
73250	Drill Core	1.18	0.158	11	35	1.74	56	0.059	2	1.33	0.142	0.06	0.6	<0.01	2.2	<0.1	2.85	5	5.6
73251	Drill Core	1.90	0.090	12	69	1.65	34	0.003	3	2.03	0.062	0.09	<0.1	0.02	6.6	<0.1	0.68	8	<0.5
73252	Drill Core	2.80	0.083	10	59	1.62	44	0.002	5	2.16	0.061	0.06	<0.1	0.01	5.6	<0.1	0.55	8	<0.5
73253	Drill Core	3.39	0.061	9	40	0.98	108	0.005	6	1.97	0.076	0.08	<0.1	0.02	4.1	<0.1	0.30	6	<0.5
73254	Drill Core	1.99	0.098	11	65	1.73	34	0.174	3	1.95	0.092	0.06	<0.1	<0.01	7.2	<0.1	0.21	8	<0.5

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Project: 76

Report Date: December 22, 2007

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QUALITY CONTROL REPORT

VAN07002382.1

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V		
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	0.1	2
Pulp Duplicates																						
73226	Drill Core	3.60	<2	0.1	24.4	2.8	57	<0.1	20.3	13.9	496	3.26	2.1	0.2	1.1	0.7	149	<0.1	0.1	<0.1	49	
REP 73226	QC		<2																			
73249	Drill Core	3.60	<2	0.2	15.6	3.2	61	<0.1	25.0	16.8	348	3.44	1.5	0.2	0.6	0.8	76	<0.1	<0.1	<0.1	59	
REP 73249	QC		<2																			
73253	Drill Core	4.10	<2	0.2	8.7	2.5	37	<0.1	16.2	10.8	457	2.09	0.8	0.2	2.3	0.6	138	<0.1	0.2	<0.1	44	
REP 73253	QC			0.1	8.6	2.4	39	<0.1	16.6	11.0	473	2.15	0.9	0.2	1.7	0.6	146	<0.1	0.1	<0.1	46	
Core Reject Duplicates																						
73234	Drill Core	3.40	<2	0.2	20.9	4.1	59	<0.1	22.9	15.3	863	3.22	1.5	0.5	1.0	0.6	89	<0.1	0.2	<0.1	76	
DUP 73234	QC		<2	0.2	23.6	4.0	61	<0.1	24.3	17.1	934	3.49	1.5	0.5	2.6	0.7	90	0.1	0.2	<0.1	83	
Reference Materials																						
STD DS7	Standard			21.1	105.2	68.8	403	0.8	57.0	9.7	644	2.46	51.0	5.0	89.5	4.6	70	6.6	6.0	4.7	86	
STD DS7	Standard			19.3	103.0	63.0	388	0.8	54.9	9.4	603	2.33	46.7	4.5	63.6	4.2	67	6.0	5.7	4.4	79	
STD DS7	Standard			19.1	101.3	68.9	401	0.8	51.4	8.9	656	2.42	51.3	4.9	59.8	4.7	73	6.3	6.3	4.8	84	
STD DS7	Standard			18.2	97.2	61.5	369	0.7	48.1	8.2	586	2.18	45.7	4.6	78.7	4.3	74	5.8	5.8	4.2	71	
STD OXD57	Standard			432																		
STD OXD57	Standard			394																		
STD OXD57	Standard			422																		
STD OXD57 Expected				413																		
STD DS7 Expected				20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	
BLK	Blank			<2																		
BLK	Blank			<2																		
BLK	Blank			<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	
Prep Wash																						
G1	Prep Blank	<0.01	<2	0.3	6.0	4.0	61	<0.1	9.4	4.4	518	1.77	<0.5	2.3	<0.5	4.0	62	<0.1	<0.1	<0.1	32	
G1	Prep Blank	<0.01	<2	0.4	6.2	3.7	59	<0.1	8.6	4.4	534	1.82	<0.5	2.3	<0.5	4.2	63	<0.1	<0.1	<0.1	33	

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Project: 76  
 Report Date: December 22, 2007

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QUALITY CONTROL REPORT

VAN07002382.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																			
73226	Drill Core	2.45	0.075	10	56	1.86	489	0.001	4	2.42	0.056	0.08	<0.1	<0.01	5.6	<0.1	0.06	8	<0.5
REP 73226	QC																		
73249	Drill Core	1.83	0.078	10	70	1.70	29	0.008	4	2.01	0.073	0.07	<0.1	<0.01	5.3	<0.1	0.93	8	<0.5
REP 73249	QC																		
73253	Drill Core	3.39	0.061	9	40	0.98	108	0.005	6	1.97	0.076	0.08	<0.1	0.02	4.1	<0.1	0.30	6	<0.5
REP 73253	QC	3.56	0.063	9	40	1.02	111	0.005	6	2.13	0.079	0.08	<0.1	0.02	4.2	<0.1	0.30	6	<0.5
Core Reject Duplicates																			
73234	Drill Core	2.89	0.082	7	61	1.87	22	0.181	4	2.65	0.109	0.06	0.1	<0.01	4.7	<0.1	0.37	7	<0.5
DUP 73234	QC	3.07	0.082	7	68	2.06	34	0.179	4	2.89	0.110	0.07	0.1	<0.01	4.6	<0.1	0.39	8	<0.5
Reference Materials																			
STD DS7	Standard	0.96	0.077	12	197	1.07	382	0.115	41	1.02	0.089	0.47	4.0	0.20	2.1	4.3	0.20	5	3.7
STD DS7	Standard	0.92	0.074	11	183	1.02	371	0.106	39	0.97	0.084	0.46	3.6	0.19	2.0	4.0	0.18	5	3.4
STD DS7	Standard	0.95	0.078	12	196	1.07	389	0.116	39	1.01	0.087	0.49	3.5	0.20	2.3	4.4	0.20	5	3.3
STD DS7	Standard	0.90	0.072	12	169	0.94	362	0.111	40	0.96	0.090	0.40	3.3	0.17	2.2	3.7	0.18	4	3.4
STD OXD57	Standard																		
STD OXD57	Standard																		
STD OXD57	Standard																		
STD OXD57 Expected																			
STD DS7 Expected		0.93	0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																			
G1	Prep Blank	0.47	0.077	7	13	0.56	199	0.113	<1	0.97	0.074	0.51	0.2	<0.01	1.8	0.4	<0.05	4	<0.5
G1	Prep Blank	0.49	0.074	7	13	0.56	208	0.116	<1	1.00	0.077	0.52	0.3	<0.01	1.7	0.3	<0.05	4	<0.5

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 852 E/ Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Project:

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Part 1

**CERTIFICATE OF ANALYSIS**

**VAN07001891.1**

Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
73255	Drill Core	2.30	<2	1.2	28.2	3.4	55	<0.1	23.4	16.4	791	3.77	0.9	0.6	<0.5	0.9	69	0.1	<0.1	<0.1	106
73256	Drill Core	4.80	N.A.	1.1	24.7	2.1	63	<0.1	26.9	17.4	723	3.37	<0.5	0.5	<0.5	0.9	84	<0.1	<0.1	<0.1	105
73257	Drill Core	3.60	N.A.	0.9	29.5	2.6	65	<0.1	29.8	18.3	688	3.66	1.1	0.6	1.6	0.9	81	<0.1	<0.1	<0.1	102
73258	Drill Core	3.70	N.A.	0.2	20.2	2.1	82	<0.1	31.8	25.5	656	4.42	2.0	0.3	<0.5	0.9	123	<0.1	<0.1	<0.1	73
73259	Drill Core	3.90	N.A.	0.3	19.7	2.3	62	<0.1	52.9	24.8	607	3.99	1.5	1.6	<0.5	0.8	96	<0.1	<0.1	<0.1	60
73260	Drill Core	3.10	N.A.	1.3	23.2	4.7	68	<0.1	7.1	10.7	571	2.59	1.3	0.3	<0.5	2.1	153	<0.1	<0.1	<0.1	67
73261	Rock	0.40	N.A.	0.6	55.8	1.8	74	<0.1	55.3	25.8	789	4.23	2.4	0.2	<0.5	0.8	39	<0.1	<0.1	<0.1	95
73262	Drill Core	3.70	N.A.	1.2	39.8	3.5	81	<0.1	10.9	15.2	777	2.73	1.8	0.5	<0.5	1.2	196	0.1	<0.1	<0.1	69
73262	Drill Core	3.70	N.A.	1.2	39.8	3.5	81	<0.1	10.9	15.2	777	2.73	1.8	0.5	<0.5	1.2	196	0.1	<0.1	<0.1	69
73263	Drill Core	3.00	N.A.	1.0	14.8	5.1	70	<0.1	54.8	19.7	675	3.35	1.7	0.5	4.2	1.5	169	0.1	0.2	0.1	71
73263	Drill Core	3.00	N.A.	1.0	14.8	5.1	70	<0.1	54.8	19.7	675	3.35	1.7	0.5	4.2	1.5	169	0.1	0.2	0.1	71
73264	Drill Core	3.10	N.A.	2.4	24.4	4.8	62	0.1	49.1	17.2	753	3.42	0.7	0.3	0.8	1.1	120	<0.1	0.2	0.1	56
73264	Drill Core	3.10	N.A.	2.4	24.4	4.8	62	0.1	49.1	17.2	753	3.42	0.7	0.3	0.8	1.1	120	<0.1	0.2	0.1	56
73265	Drill Core	3.40	N.A.	5.1	30.6	6.4	60	0.2	48.2	16.9	629	4.08	4.6	0.3	1.5	1.0	98	0.1	0.4	0.1	65
73265	Drill Core	3.40	N.A.	5.1	30.6	6.4	60	0.2	48.2	16.9	629	4.08	4.6	0.3	1.5	1.0	98	0.1	0.4	0.1	65
73266	Drill Core	4.10	<2	1.7	26.6	5.7	65	0.2	57.6	20.4	641	4.53	5.0	0.4	3.3	1.2	100	<0.1	0.5	0.1	58
73266	Drill Core	4.10	<2	1.7	26.6	5.7	65	0.2	57.6	20.4	641	4.53	5.0	0.4	3.3	1.2	100	<0.1	0.5	0.1	58
73267	Drill Core	3.30	<2	0.2	25.2	2.0	64	<0.1	49.3	14.7	531	2.99	1.3	0.3	0.6	1.2	132	<0.1	0.7	<0.1	49
73267	Drill Core	3.30	<2	0.2	25.2	2.0	64	<0.1	49.3	14.7	531	2.99	1.3	0.3	0.6	1.2	132	<0.1	0.7	<0.1	49
73268	Drill Core	4.00	<2	0.5	41.1	2.4	71	0.1	60.0	21.7	574	4.17	1.2	0.3	1.1	0.9	71	<0.1	0.6	<0.1	74
73268	Drill Core	4.00	<2	0.5	41.1	2.4	71	0.1	60.0	21.7	574	4.17	1.2	0.3	1.1	0.9	71	<0.1	0.6	<0.1	74
73269	Drill Core	2.10	<2	0.8	53.9	3.2	68	0.1	51.8	18.2	929	3.57	1.2	0.4	<0.5	1.2	100	<0.1	0.7	<0.1	44
73269	Drill Core	2.10	<2	0.8	53.9	3.2	68	0.1	51.8	18.2	929	3.57	1.2	0.4	<0.5	1.2	100	<0.1	0.7	<0.1	44
73270	Drill Core	2.10	<2	1.5	53.6	4.4	69	0.2	53.6	18.8	929	3.75	1.5	0.4	<0.5	1.3	96	0.1	0.8	0.1	49
73270	Drill Core	2.10	<2	1.5	53.6	4.4	69	0.2	53.6	18.8	929	3.75	1.5	0.4	<0.5	1.3	96	0.1	0.8	0.1	49
73271	Drill Core	3.30	N.A.	0.2	23.3	3.1	64	0.1	48.1	15.8	781	3.62	1.2	0.4	0.6	1.1	130	<0.1	0.8	<0.1	45
73271	Drill Core	3.30	N.A.	0.2	23.3	3.1	64	0.1	48.1	15.8	781	3.62	1.2	0.4	0.6	1.1	130	<0.1	0.8	<0.1	45
73272	Drill Core	3.60	N.A.	0.1	12.2	3.0	58	0.1	49.0	15.0	374	3.35	1.5	0.2	0.5	0.9	181	<0.1	0.9	<0.1	39
73272	Drill Core	3.60	N.A.	0.1	12.2	3.0	58	0.1	49.0	15.0	374	3.35	1.5	0.2	0.5	0.9	181	<0.1	0.9	<0.1	39

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 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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**CERTIFICATE OF ANALYSIS**

**VAN07001891.1**

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
73255	Drill Core	2.87	0.086	10	65	1.58	45	0.215	2	2.18	0.103	0.05	0.1	<0.01	8.2	<0.1	0.06	8	<0.5
73256	Drill Core	2.36	0.090	11	71	1.81	23	0.149	3	2.32	0.095	0.06	<0.1	<0.01	7.8	<0.1	0.09	8	<0.5
73257	Drill Core	2.02	0.094	11	70	1.89	46	0.169	3	2.06	0.140	0.04	<0.1	<0.01	8.3	<0.1	<0.05	7	0.6
73258	Drill Core	1.34	0.096	12	83	2.11	52	0.003	4	3.09	0.077	0.06	<0.1	<0.01	5.8	<0.1	<0.05	11	<0.5
73259	Drill Core	1.53	0.182	14	57	1.69	69	0.008	4	2.69	0.055	0.12	<0.1	<0.01	3.9	<0.1	<0.05	7	0.6
73260	Drill Core	2.31	0.139	20	5	0.25	125	0.061	1	0.62	0.111	0.10	<0.1	0.02	2.7	<0.1	<0.05	3	<0.5
73261	Rock	1.39	0.147	10	44	2.60	27	0.217	1	2.60	0.043	0.03	0.1	<0.01	6.0	<0.1	<0.05	10	<0.5
73262	Drill Core	2.87	0.162	18	6	0.64	150	0.083	1	0.58	0.106	0.08	<0.1	0.05	4.0	<0.1	<0.05	3	<0.5
73263	Drill Core	1.75	0.099	17	50	1.35	124	0.020	4	2.22	0.122	0.15	<0.1	<0.01	4.4	<0.1	0.30	7	<0.5
73264	Drill Core	2.85	0.085	10	82	1.53	40	0.007	4	2.69	0.163	0.09	<0.1	0.14	4.1	<0.1	1.01	7	<0.5
73265	Drill Core	1.98	0.091	9	84	1.69	106	0.117	6	3.03	0.402	0.07	0.1	0.02	3.8	<0.1	0.89	8	<0.5
73266	Drill Core	1.69	0.105	9	76	1.69	179	0.188	4	3.48	0.456	0.09	0.4	0.02	3.3	<0.1	0.88	8	<0.5
73267	Drill Core	1.62	0.098	8	74	1.25	296	0.190	2	2.89	0.180	0.09	0.6	0.09	2.6	<0.1	0.05	6	<0.5
73268	Drill Core	0.86	0.097	8	79	1.50	66	0.176	3	2.95	0.239	0.10	1.0	0.22	4.3	<0.1	0.13	7	<0.5
73269	Drill Core	1.56	0.094	8	52	1.63	74	0.180	4	3.03	0.158	0.09	0.3	0.04	2.8	<0.1	0.07	7	<0.5
73270	Drill Core	1.37	0.096	8	65	1.62	99	0.199	3	3.21	0.224	0.10	0.4	0.08	3.2	<0.1	0.10	8	<0.5
73271	Drill Core	1.33	0.092	8	72	1.47	107	0.226	2	3.01	0.178	0.09	0.4	0.03	2.9	<0.1	0.56	8	<0.5
73272	Drill Core	1.80	0.081	6	79	1.22	116	0.166	1	3.42	0.273	0.08	0.2	0.14	2.7	<0.1	1.15	8	0.8

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 Phone (604) 253-3158 Fax (604) 253-1716

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 Vancouver BC V6C 2T6 Canada

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QUALITY CONTROL REPORT

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Method	WGHT	3B	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bl	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	
Pulp Duplicates																					
73267	Drill Core	3.30	<2	0.2	25.2	2.0	64	<0.1	49.3	14.7	531	2.99	1.3	0.3	0.6	1.2	132	<0.1	0.7	<0.1	49
REP 73267	QC		<2																		
73271	Drill Core	3.30	N.A.	0.2	23.3	3.1	64	0.1	48.1	15.8	781	3.62	1.2	0.4	0.6	1.1	130	<0.1	0.8	<0.1	45
REP 73271	QC			0.3	23.5	3.1	64	0.1	48.0	16.2	793	3.59	1.5	0.4	<0.5	1.1	125	0.1	0.7	<0.1	48
Reference Materials																					
STD DS7	Standard			20.7	112.4	70.6	406	0.9	57.8	10.2	648	2.43	50.7	5.0	69.8	4.4	71	6.3	6.0	4.7	97
STD DS7	Standard			22.0	114.3	66.9	405	0.9	60.1	10.3	633	2.43	52.2	5.1	80.7	4.6	72	6.3	6.1	4.5	95
STD DS7	Standard			21.7	111.7	70.4	415	0.8	62.3	9.9	635	2.46	47.7	5.0	85.2	4.6	81	5.9	6.3	5.1	92
STD DS7	Standard			21.3	104.7	70.3	398	0.3	59.5	9.3	651	2.45	48.4	4.8	68.7	4.5	80	6.2	6.3	5.1	92
STD OXD57	Standard		409																		
STD OXD57 Expected			413																		
STD DS7 Expected			20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
Prep Wash																					
G1	Prep Blank	<0.01	<2	1.8	3.7	2.7	46	<0.1	4.8	4.4	559	1.89	<0.5	1.8	<0.5	3.8	50	<0.1	0.1	<0.1	40
G1	Prep Blank	<0.01	<2	1.5	5.0	2.7	47	<0.1	4.9	4.8	563	1.91	<0.5	2.2	<0.5	4.1	48	<0.1	<0.1	<0.1	43

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.



**AcmeLabs** ACME ANALYTICAL LABORATORIES LTD.  
 852 E. Hastings St. Vancouver BC V6A 1R6 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Strongbow Exploration Inc.**

800 - 625 Howe St.  
 Vancouver BC V6C 2T6 Canada

Project: 76

Report Date: December 22, 2007

Page: 1 of 1 Part 2

**QUALITY CONTROL REPORT**

**VAN07001891.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																			
73267	Drill Core	1.62	0.098	8	74	1.25	296	0.190	2	2.89	0.180	0.09	0.6	0.09	2.6	<0.1	0.05	6	<0.5
REP 73267	QC																		
73271	Drill Core	1.33	0.092	8	72	1.47	107	0.226	2	3.01	0.178	0.09	0.4	0.03	2.9	<0.1	0.56	8	<0.5
REP 73271	QC	1.37	0.092	8	70	1.44	106	0.241	2	3.00	0.178	0.09	0.4	<0.01	2.9	<0.1	0.55	7	<0.5
Reference Materials																			
STD DS7	Standard	0.97	0.076	12	202	1.07	380	0.116	44	1.02	0.085	0.46	4.0	0.21	2.4	4.7	0.20	5	4.2
STD DS7	Standard	0.98	0.074	12	202	1.09	392	0.120	44	1.04	0.088	0.45	4.0	0.20	2.4	4.6	0.20	5	4.4
STD DS7	Standard	1.00	0.073	12	208	1.06	381	0.134	39	1.02	0.087	0.46	4.2	0.21	2.4	4.1	0.19	5	4.0
STD DS7	Standard	1.00	0.072	13	209	1.05	390	0.134	39	1.02	0.087	0.45	3.9	0.19	2.4	4.1	0.19	5	4.1
STD OXD57	Standard																		
STD OXD57	Expected	0.93	0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
STD DS7	Expected																		
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																			
G1	Prep Blank	0.46	0.074	6	9	0.62	186	0.124	1	1.00	0.066	0.50	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5
G1	Prep Blank	0.46	0.072	7	10	0.62	201	0.126	<1	0.97	0.066	0.53	0.2	<0.01	1.9	0.4	<0.05	5	<0.5

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## **APPENDIX III**

### **Ponderosa Property Silt, Soil, Rock & Drill Core Sample Descriptions**

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
48516	Rock	float	5544493	643490	Veins are weakly banded and typically massive. Vugs occur within the centre of the veins and drusy to crustiform qtz is growing in centre of vug. Sample is 5 m below a ridge of continuous feld-phyrlic flows with no veining or alteration.	2.6	0.05	1	0.1	5.00E-03	0.4	20	11.1	5.4	36
48518	Rock	float	5544483	644661	Sampling in area of mag low and observed extensive angular qtz float, all typically 1-3 cm in size. Qtz is all typically massive with irregular brownish red septa (almost stylonite looking features) crude banding preserved in app. 30% of the pieces.	336	0.2	7.3	0.4	5.00E-03	1.1	6	2.5	0.9	2
48519	Rock	float	5544511	644627		43.9	1	80.5	1.1	0.03	4.8	34	12.6	3.3	9
48520	Rock	float	5544509	644625		542.7	1.4	52.2	4.6	0.03	3.6	30	35.3	3.2	11
48521	Rock	float	5544415	644670		568.8	1.4	174	1.7	0.09	1.6	90	23.9	5.3	40
55189	Rock	float	5545929	643105	6-8 floor blks in rd cut, all within a couple m dia, range from golf ball to 10x10x10, sub angular, skwking vns and vnlets	118	0.4	42.4	0.3	0.06	3	68	11.9	8.8	40
55190	Rock	outcrop	5545885	643684		0.7	0.05	1.9	0.3	0.02	0.7	133	15.9	3.7	61
55191	Rock	subcrop	5545876	643687	Banding in 1- 1.5cm qtz vn w banding, blk clots in vn, hem alt	1.4	0.05	3.9	0.3	0.04	1.4	336	12.6	6.3	43
55192	Rock	subcrop	5545927	643689	10 cm carb vn w siliceous frags and small frags of banded qtz vning	0.25	0.4	64.9	0.2	0.18	4	910	163.6	4.8	67
55193	Rock	float	5546449	644527	Andesite w upto cm vns of carb, rare qtz	2.8	0.05	5.3	5	0.12	0.3	101	22.1	3.3	46
55194	Rock	float	5546446	644528	V. angular quartz float blk, 15x10x5, loc some banding	1.5	0.05	4.2	0.3	3.38	0.3	84	2.1	0.3	3
55195	Rock	subcrop	5545496	645019	Comb quartz and carb stkwking vning producing a matrix supported bx, clasts are ang upto 2 cm, w altered andesite in qtz carb matrix	4.7	0.05	5	0.05	0.03	0.7	77	3.6	1.7	19
55196	Rock	outcrop	5545408	644941	Two- 1-3cm wide carb/qtz vn at 42/60 , appear to be late, w alt in f gr andesite country rk	2.4	0.05	0.25	0.05	0.01	0.2	31	19	3.4	18
61466	Rock	rock_chip	5544395	644669	PT07-06; 1-2 m. (0-1) m = till - not sampled.	0.25	0.05	3.3	0.8	5.00E-03	0.2	160	20.6	3.6	55
61467	Rock	rock_chip	5544394	644669	PT07-06; 2-3 m. Andesite turning into clay altered qtz rich zone.	819.8	1.4	42.3	2.3	0.12	2.2	63	37.4	3.3	33

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
61468	Rock	rock_chip	5544394	644670	PT07-06; 3-3.5 m. Qtz rich zone. Contains both qtz fragments & veins in silification zone.	1777	2.6	110.8	2.1	0.51	3.8	27	51.2	2.7	27
61469	Rock	rock_chip	5544393	644671	PT07-06; 3.5-4.0 m. Qtz clasts & veins in silica enriched zone.	2136	2.2	70.4	1.8	0.33	3.7	18	41.2	1.9	17
61470	Rock	rock_chip	5544393	644671	PT07-06; 4.0-4.5 m. OD.	2119	2.1	64.4	1.8	0.21	2.5	40	22.9	1.9	25
61472	Rock	rock_chip	5544393	644671	PT07-06; 4.5- 5.0 m.	1094	1.8	101.7	1.1	0.06	2	49	20	3.6	34
61473	Rock	rock_chip	5544393	644672	PT07-06; 5-6 m.	584.1	1.3	133.7	1.3	0.06	6.1	104	18.1	4.8	35
61474	Rock	rock_chip	5544392	644673	PT-07-06, 6-7m. Fault zone? Carbonate veining. Few rust pits- sulphides?	14.1	0.2	6.5	0.6	5.00E-03	0.4	370	18.4	3.1	49
61475	Rock	rock_chip	5544392	644674	PT-07-06, 7-8m. Carbonate veining 1-3mm wide, oriented 220/50.	9.5	0.2	4.8	0.5	5.00E-03	0.2	57	64.7	2.6	67
61476	Rock	rock_chip	5544391	644674	PT-07-06, 8-9m. Carbonate veins. Hem alt mod	3.9	0.05	1.3	0.8	5.00E-03	0.2	134	25.1	3.2	38
61477	Rock	rock_chip	5544391	644675	PT-07-06, 9-10m.	2.1	0.05	1.8	0.3	5.00E-03	0.2	110	18.4	2.1	56
61478	Rock	rock_chip	5544390	644676	Pt07-06, 10-11m. Thin zones of silicified rk, all cut by carb vnlets (1mm width).	10.6	0.05	26.8	0.7	5.00E-03	0.5	21	27.9	3.1	49
61479	Rock	rock_chip	5544390	644677	Pt07-06, 11-12m. Frac'd interval. Less to trace silica in addition to previous int.	4.2	0.05	11	0.3	5.00E-03	0.3	30	29.5	2.3	64
61480	Rock	rock_chip	5544390	644678	Pt07-06, 12-13m. Similar to prev imterval.	2.3	0.05	3.1	0.2	5.00E-03	0.1	36	21.7	3.2	66
61481	Rock	rock_chip	5544390	644679	PT07-06: 13-14m	2.3	0.05	4.5	0.2	5.00E-03	0.2	35	15.8	3.7	65
61482	Rock	rock_chip	5544388	644679	PT07-06: 14-15m	2.7	0.2	8.2	0.5	5.00E-03	0.2	70	19.3	12	55
61483	Rock	rock_chip	5544387	644680	PT07-06: 15-16m.	3.4	0.1	16.1	0.4	5.00E-03	0.3	72	20	3.8	60
61484	Rock	rock_chip	5544387	644681	PT07-06: 16-17m. Very broken qtz stringers, nearly vertical, following a joint set. Sample meter is very broken up due to spaced fractures.	31.6	0.2	41.8	0.9	0.03	3.1	36	19.7	4.2	60
61485	Rock	rock_chip	5544386	644682	PT07-06: 17-18m.	0.9	0.05	2.9	0.2	5.00E-03	0.3	90	21.9	2.3	58

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
61486	Rock	rock_chip	5544386	644683	PT07-06: 17-18m.	1.4	0.05	1.8	0.2	5.00E-03	0.5	53	27.1	2.2	61
62000	Rock	rock_chip	5544176	644736	PT-07-04, 0-1m. Unaltered. Pl phenos	0.25	0.05	10.8	0.4	5.00E-03	0.8	28	26.2	3.9	73
62001	Rock	rock_chip	5544176	644737	PT-07-04, 1-2m. Unaltered	0.25	0.05	14.1	0.3	5.00E-03	0.8	40	21.2	2.6	66
62002	Rock	rock_chip	5544177	644738	PT-07-04, 2-3m.	0.25	0.05	13.2	0.3	5.00E-03	0.9	36	24.9	2.8	71
62003	Rock	rock_chip	5544178	644738	PT-07-04, 3-4m. Fractures at 200/84 & 080/82	0.25	0.05	17.4	0.3	5.00E-03	0.8	32	27	2.5	63
62004	Rock	rock_chip	5544178	644739	PT-07-04, 4-5m.	0.25	0.05	15.5	0.3	5.00E-03	0.7	40	23.3	2.5	62
62005	Rock	rock_chip	5544179	644740	PT-07-04, 5-6m. Clay-filled fractures at 120/30.	0.25	0.05	15.6	0.3	0.1	0.8	36	29.4	2.6	60
62006	Rock	rock_chip	5544179	644740	PT-07-04, 6-6.5m. Also lim alt - mod & along fractures. Altered andesite	29.9	0.3	23.1	0.6	0.43	1.2	24	73.3	3.4	63
62007	Rock	rock_chip	5544180	644741	PT-07-04, 6.5-7m. Also lim alt - mod & fractures	346	2	65.2	1.4	0.22	6.8	7	52.2	2.4	31
62008	Rock	rock_chip	5544180	644742	PT-07-04, 7-8m. Fragments qtz & jasper (?) w/ carb matrix - breccia?	259	1.1	187.8	4.6	0.23	1.5	20	46.9	3.2	53
62009	Rock	rock_chip	5544181	644742	PT-07-04, 8-8.5m. Massive qtz zone	597	5	595.1	38.8	1.19	1.3	11	80.8	6.3	20
62010	Rock	rock_chip	5544181	644743	PT-07-04, 8.5-9.5m. Qtz vein, heavily fractured. Fractures & possible vein orientation at 200/63 W. Banded qtz	1228	7	453.1	36.2	1.45	3	7	39	5.5	13
62011	Rock	rock_chip	5544182	644743	PT-07-04, 9.5-10.5m. Banded qtz vein oriented 110/40 (measured of banding). Sections w/ silica alt country rock (narrow). Vein at least 2m thick	1111	5	201.3	15.4	0.55	1.8	24	22.3	3.9	27
62012	Rock	chip	5544185	644747	PT-07-04;15-16m. V. Weakly silicified. Some degraded to weak clay-chl zns.	26.5	0.2	56.4	0.9	0.04	0.2	29	21.6	4.7	59
62013	Rock	chip	5544185	644748	PT-07-04;16-17m.m	48.6	0.5	140.5	2.5	0.09	0.4	40	24.6	7.1	54
62014	Rock	chip	5544186	644149	PT-07-04;17-18m.	17.3	0.3	62.5	1.2	0.1	0.4	42	21.5	4.5	67
62015	Rock	chip	5544186	644749	PT-07-04;18-18.5 m. No fizzing, might just be ank instead of carb. Not hard enough to be silica.	36.7	0.7	123.1	2.8	0.12	0.5	42	22.3	4.8	47
62016	Rock	chip	5544187	644750	PT-07-04;18.5-19.5m. May be jarosite present, yellowish orange along most fractures.	21.2	0.5	90.5	2.1	0.07	0.7	56	25.6	5.5	58

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62017	Rock	chip	5544187	644151	PT-07-04; 19.5-20.5m. More lim/jarosite in this sample, more carb/ank. Relict irregular gas structures are replaced by orange-yellow lim/jar.	22.3	0.2	39	1.3	0.06	0.6	74	38.6	6.1	54
62018	Rock	chip	5544188	644751	PT-07-04; 20.5-21m. Weak appearance of silica, diss'm. V weak jarosite, assoc with more orange-coloured limonite.	4.5	0.1	20.4	1	0.09	0.4	39	35.6	4.8	53
62019	Rock	chip	5544188	644752	PT-07-04;21-22m. Dendritic to fractures assoc btw carb and lim alt'n.	3.3	0.1	13.5	0.8	0.03	0.3	37	23	4.7	65
62021	Rock	chip	5544189	644753	PT-07-04;22-22.5m. Weak silica, patchy to diss'm. Probably trace chl clots.	1.6	0.1	23.9	1.1	0.01	0.3	33	21.4	4	79
62022	Rock	chip	5544189	644753	PT-07-04; 22.5-23m. Slight appearance of chl/serc? Diss'm.	2.2	0.1	20.7	0.9	0.02	0.2	38	23.4	4.1	64
62023	Rock	chip	5544189	644754	PT-07-04; 23-24m. Soft on scratch which could suggest minor clay/chl/serc. No fizz but rusty, so inferred ank.	2.4	0.1	24	1.3	0.05	0.2	70	23.5	6.7	69
62024	Rock	rock_chip	5544190	644754	PT07-04; 24-25 m. Limonite/anchorite rusty stain on andesitic rk.	2.7	0.1	91.2	4.4	0.12	0.1	60	21.6	6.4	69
62026	Rock	rock_chip	5544191	644755	PT07-04; 25-25.5 m.	5.6	0.2	106.7	4.1	0.21	0.3	30	32.8	7.2	90
62027	Rock	rock_chip	5544191	644755	PT07-04; 25.5-26. Altered andesite turning into qtz veined zone. Intense silica alteration, compotent.	7.8	0.3	82.1	4.8	0.19	0.5	79	21.2	8.3	71
62028	Rock	rock_chip	5544191	644756	PT07-04; 26-26.5m.	8.9	0.4	143	6.8	0.11	0.3	50	29.4	8.6	85
62029	Rock	rock_chip	5544191	644756	PT07-04; 26.5-27 m.	9.6	0.4	209.4	8	0.12	0.3	28	31.2	10	69
62030	Rock	rock_chip	5544192	644757	PT07-04; 27-28 m.	5.3	0.3	185	6	0.13	0.2	40	21.6	8.2	63
62032	Rock	rock_chip	5544193	644757	PT07-04; 28-28.5 m.	4.5	0.3	142.3	4.8	0.06	0.2	26	28.2	7.1	51
62033	Rock	rock_chip	5544193	644758	PT07-04; 28.5-29m. Qtz veining present at end of section.	8.3	0.4	121.2	5.4	0.09	1.3	173	29.1	8	63
62034	Rock	rock_chip	5544193	644758	PT07-04; 29-30m	6.8	0.5	13.7	1	0.08	0.3	52	51.2	5.8	56



Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62035	Rock	chip	5544194	644759	PT07-04 Chip sample 30-30.5m. Weak lim along some fractures. Silica occur either along fractures or as nodules.	2.1	0.05	5.3	0.2	0.05	0.3	35	36.2	2.6	85
62036	Rock	chip	5544194	644759	PT-07-04; 30.5-31m. Weak silica, dissm. Looks slightly more alt'd than last sample.	1.8	0.05	7.7	0.4	0.04	0.4	34	51.5	2.5	102
62037	Rock	chip	5544194	644760	PT-07-04; 31-32m. Crumbly, due to clay and serc.	5.5	0.2	21.9	1.5	0.07	0.8	60	62.1	3.7	77
62038	Rock	chip	5544195	644760	PT-07-04; 32-33.5m. Minor-weak serc, dissm-patchy.	2.5	0.1	29.3	0.6	0.06	0.4	54	93	2.6	100
62039	Rock	rock_chip	5544196	644761	PT07-04 33.5-35m	11	0.05	23.8	0.3	0.01	0.2	175	23.6	1.6	85
62040	Rock	rock_chip	5544197	644763	Lim & hematite staining PT07-04 35-36.5m	24.3	0.05	23.4	1.4	0.02	0.2	94	19.3	3	83
62041	Rock	rock_chip	5544199	644764	PT-07-04; 36.5-39.5m	6.9	0.3	24.3	0.9	0.1	0.2	513	37.3	4.6	82
62042	Rock	rock_chip	5544200	644764	PT07-04 38-39.5m	3.7	0.2	11.2	0.6	0.04	0.3	218	44.8	3.8	73
62043	Rock	rock_chip	5544201	644765	PT07-04 39.5-41m	2.8	0.05	11.4	0.7	5.00E-03	0.3	68	34.5	3.5	66
62044	Rock	rock_chip	5544184	644746	Limonite dissm & onfractures PT07-04 14.5-15m	90.5	0.4	151.1	4.7	0.13	1.3	49	28.5	7.2	45
62045	Rock	rock_chip	5544367	644605	PT07-05; 13-14 m. Silica rich zone.	107	0.7	82.8	1.1	0.01	1	30	22.6	4.3	50
62046	Rock	rock_chip	5544368	644606	PT07-05; 14-14.5 m.	2489	2	195.8	3.7	0.06	2.1	40	20.3	5.9	45
62047	Rock	rock_chip	5544368	644607	PT07-05; 14.5-15 m.	2324	4	217.4	3.9	0.06	1.8	23	21.2	5.3	31
62048	Rock	rock_chip	5544368	644607	PT07-05; 15-16 m.	483	2	141.3	2.5	0.03	3	15	23.7	6.3	33
62049	Rock	rock_chip	5544368	644609	PT07-05; 16-16.5 m.	153	0.4	57.5	1.2	0.03	0.9	27	19.7	4.2	47
62100	Rock	rock_chip	5544368	644609	PT07-05; 16.5-17 m.	218	0.9	195.2	2	0.02	0.5	31	32.9	4	59
62102	Rock	rock_chip	5544368	644610	PT07-05; 17-18 m.	378	0.8	193.4	1.9	0.02	0.4	30	34.1	4	57
62103	Rock	rock_chip	5544368	644610	PT07-05; 18-19 m.	135	1.3	120.6	2.9	0.04	4.5	23	19	4	52
62104	Rock	rock_chip	5544369	644611	PT07-05; 19-20 m.	939	5	212.8	9.6	0.15	35	45	17.4	3.3	24

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62105	Rock	rock_chip	5544369	644612	PT07-05; 20-21 m.	2073	5	183.5	6.5	0.27	21.1	24	23.6	1.5	29
62106	Rock	rock_chip	5544369	644613	PT07-05; 21-22 m. Main qtz zone.	834	4	118	4.5	0.3	23.3	17	20	1.4	13
62107	Rock	rock_chip	5544369	644614	PT07-05; 22-23m.	902	2	96.1	3.9	0.15	10.1	12	19.4	1.7	18
62108	Rock	rock_chip	5544369	644615	PT07-05; 23-24m. Milky white 3cm qtz vein. Some dark irreg. Banding.	1181	5	60.5	2.6	0.11	9.4	27	18.3	1.8	12
62111	Rock	rock_chip	5544370	644617	PT07-05; 25 - 26 m. Till / overburden w qtz clasts - sub-angular. Sample orientation moving from west to east. (24 - 25 m = not sampled)	214.6	1	141.1	3.8	0.16	23.6	60	23.3	3.3	43
62113	Rock	rock_chip	5544370	644618	PT07-05; 27- 28 m. Weathered andesite w qtz clasts in till section. 26- 27 m not sampled - till.	80.7	0.7	83.4	1.5	0.06	10.2	38	59.8	2.5	53
62114	Rock	rock_chip	5544370	644620	PT07-05; 28 - 29 m. Shows some silica injection along fractures in andesite.	229.1	1.5	150.4	3.3	0.18	31.7	23	47.1	3.4	67
62115	Rock	rock_chip	5544370	644621	PT-07-05, 29-30m. Carbonate alt - veining. Final 15cm - qtz carb vein w/ banding oriented 300/82	444.1	1.5	113.4	2.9	0.19	11.7	20	25.5	1.8	24
62116	Rock	rock_chip	5544371	644622	PT-07-05, 30-31m. Carbonate & qtz veining	233.3	1.3	192.5	4.9	0.16	10.8	34	20.8	4	42
62117	Rock	rock_chip	5544371	644623	PT-07-05, 31-32m. Zeolite veining	86.5	1	185.8	3	0.15	9	59	50.8	3.9	72
62118	Rock	rock_chip	5544371	644624	PT-07-05, 32-33m.	142.3	1.5	351.7	9.4	0.23	32.7	81	39.6	5.6	58
62119	Rock	rock_chip	5544371	644625	PT-07-05, 33-34m. Qtz breccia frags?	116.8	1.3	226.8	8	0.33	2.7	53	43	3.7	62
62120	Rock	rock_chip	5544372	644626	PT-07-05, 34-35m. Hem alt? Clasts of qtz - not continuous veins?	488.2	2.5	305.9	6.2	0.16	65.4	41	29.7	5.1	45
62122	Rock	rock_chip	5544372	644627	Pt07-05, 35-36m. Boulder-subcrop of brecciated qtz and silicified wallrock with py diss'm and vnlt.s.	238.5	1.2	129.2	2.3	0.1	34.6	30	33.7	3.4	60
62123	Rock	rock_chip	5544372	644628	Pt07-05, 36-37m. Similar to last sample but less alt'd.	193.5	1.5	111.4	2.5	0.11	22.9	29	22.5	3	53
62124	Rock	rock_chip	5544372	644629	Pt07-05, 37-38.5m. Start of transition zone between chl-lim and blue-grey clay rich zone.	227.1	2.2	245.7	10	0.36	109.7	25	39.3	4.9	39

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62125	Rock	grab	5544372	644630	Grab sample at 37.5m along trench wall, 2 lrg boulders of qtz vns and silicified wallrk.	121.5	1.4	140.6	6.1	0.32	43.3	44	11.9	4.3	17
62126	Rock	rock_chip	5544373	644630	Pt07-05, 38.5-40m. Fault zn, maybe coherent lava, altd and flt'd, cemented later.	286.9	2.5	348.9	10.7	0.45	54.3	27	29.2	4.7	49
62127	Rock	rock_chip	5544373	644632	Pt07-05, 40-41m. Distinct increase in py. Fine-grained to med-gr (<1mm). Blue-grey colour with dark spots that may be chl-rich.	49.6	1	147.2	1.9	0.08	1.8	22	49	4.5	77
62128	Rock	rock_chip	5544373	644633	Pt07-05, 41-42m. Getting out of blue-grey flt zn. Slight dec of py. Slight lim alt'n along fractures within more chl-alt'd zns.	57.5	0.6	188.4	2.5	0.08	0.8	29	46.1	4.4	66
62129	Rock	rock_chip	5544373	644634	Pt07-05, 42-43.5m. Back into crumbly clay zn, blue-grey. Much more fg diss'm py.	101.7	0.7	122.5	1.2	0.05	1.3	56	26.9	4.2	55
62130	Rock	rock_chip	5544374	644635	Pt07-05, 43.5-45m. likely subcrop or bldr material.	20.9	0.5	104.9	5.6	0.11	2	31	24.1	5.6	53
62131	Rock	rock_chip	5544374	644637	PT07-05; 45 - 46 m. Brecciated qtz fragments in silica matrix.	240.5	0.6	67	1.8	0.07	2.3	70	13.8	2.7	25
62132	Rock	rock_chip	5544375	644638	PT07-05; 46 - 47 m. Weathered andesite.	66	0.05	5.3	0.4	0.01	0.4	22	4.9	2.2	43
62133	Rock	rock_chip	5544375	644639	PT07-05; 47 - 48 m. Weathered andesite w silica & carbonate alteration.	5.1	0.05	2.7	0.2	0.02	0.3	32	2.9	2.2	54
62134	Rock	rock_chip	5544375	644640	PT07-05; 48.0 - 48.5 m.	2.7	0.05	1	0.4	5.00E-03	0.2	175	1.4	2.1	36
62135	Rock	rock_chip	5544375	644640	PT07-05; 48.5 - 49.5 m. Intense clay alteration w qtz frags in the clay.	1.3	0.05	1	0.2	5.00E-03	0.2	26	1.3	2.4	50
62136	Rock	rock_chip	5544376	644641	PT07-05; 49.5 - 50.5 m. Clay w rusty pyrite blebbs.	0.7	0.05	2	0.3	5.00E-03	0.3	56	2.8	2.9	38
62137	Rock	rock_chip	5544376	644642	PT07-05; 50.5 - 52 m. Clay w 1-2 mm pyrite pits.	0.25	0.05	9.4	0.05	5.00E-03	0.2	36	14.7	3	68
62138	Rock	rock_chip	5544376	644644	Pt07-05, 52-53m. Rusted py pits, lim-hm alt'n along fractures. Nearing flt zn.	0.25	0.05	7.8	0.2	5.00E-03	0.2	24	5.2	3	69
62139	Rock	rock_chip	5544377	644645	Pt07-05, 53-54m. Carb vnlt's, with hm-lim alt'n along fractures.	0.6	0.05	3.8	0.2	0.01	0.2	23	3.8	3	60

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62140	Rock	rock_chip	5544377	644646	Pt07-05, 54-55m. Flt zn, sub horz slicks. Hm-lim alt'n alo frac planes, conc carb in patchy zns.	0.25	0.05	4.2	0.2	5.00E-03	0.3	26	4.9	3.4	52
62141	Rock	rock_chip	5544377	644647	PT-07-05, 55-56m. Carbonate veining oriented 050/52. Rusted pits 2-3mm - py? Fault zone?	0.25	0.05	3	0.2	5.00E-03	0.2	27	3.2	2.9	62
62142	Rock	rock_chip	5544377	644648	PT-07-05, 56-57m. Carbonate veins 1-3mm wide oriented 025/80 & 075/86	0.25	0.05	4.2	0.2	5.00E-03	0.4	48	9.6	3.2	67
62143	Rock	rock_chip	5544377	644649	PT-07-05, 57-58m. Weakly magnetic - pyrrhotite. Carbonate veining	0.25	0.05	1.9	0.2	5.00E-03	0.2	55	74.1	2.4	65
62144	Rock	rock_chip	5544377	644649	PT-07-05, 58-59m. Carbonate veining oriented 050/85	0.25	0.05	2.1	0.4	5.00E-03	0.3	836	16.7	3.1	51
62145	Rock	rock_chip	5544378	644650	Pt07-05, 59-60m. Rusty along fracs. Grungy zns.	0.25	0.05	2.9	0.1	5.00E-03	0.3	99	21.2	2.9	50
62146	Rock	rock_chip	5544378	644652	Pt07-05, 60-61m. Rusty zns assoc with carb vnlts. End of trench	1.8	0.1	7.3	0.2	5.00E-03	0.4	215	14.5	5.1	53
62600	Rock	chip	5544158	644769	Chip sample 12-13m. Mostly qtz vn or silicified material with some alt'd wallrk.	835	4	213.5	9.5	0.24	6.2	21	39.5	3.2	24
62601	Rock	chip	5544159	644770	Chip sample 13-14m. Less silica, v weak chl alt'n.	1281	2	211.4	8.8	0.33	5.8	73	32.3	4.6	42
62603	Rock	chip	5544159	644771	Chip sample 14-15m. Less alt'd with less veining. Mm-sized veinlts, 5%.	55.4	1.1	165.3	11.9	0.09	0.8	40	27	7.4	54
62604	Rock	chip	5544159	644772	Chip sample 15-16m. Grungy looking, less alt'd rel to last sample.	9.8	0.2	71.5	4.2	0.03	0.2	27	18.6	5.8	51
62605	Rock	chip	5544160	644773	Chip sample 16-17m. Less alt'd but slight change from chl to silica/carb.	31.2	0.1	30.6	2	0.03	0.3	30	22.8	4.2	46
62606	Rock	chip	5544160	644774	Chip sample 17-18m. Silica still pv over chl.	9.4	0.05	6.6	0.3	5.00E-03	0.2	60	23.5	2.9	66
62607	Rock	chip	5544160	644775	Chip sample 18-19m. Lim alt'n along frac's, weak.	24.8	0.1	8.7	0.3	0.02	0.4	149	23.8	2.1	58
62608	Rock	chip	5544160	644776	Chip sample 19-20m.	9.8	0.05	6.8	0.2	0.01	0.2	229	19	1.8	61
62609	Rock	chip	5544161	644777	Chip sample 20-21m.	82	0.2	12.2	0.2	0.01	0.3	78	19.6	2.1	60
62610	Rock	chip	5544161	644778	Chip sample 21-22m. No sample from 22-25m.	14.3	0.1	6.2	0.7	0.01	0.3	61	26	2.7	42
62611	Rock	rock_chip	5544162	644782	PT07-01; 25-26 m. 3 m skipped (22-25 m) no outcrop.	8.9	0.05	5.3	0.4	0.04	0.9	32	18.2	3.1	62
62612	Rock	rock_chip	5544162	644783	PT07-01; 26-27 m.	5.2	0.05	5.1	0.4	0.04	0.9	31	18.6	2.9	59
62613	Rock	rock_chip	5544163	644784	PT07-01; 27-28 m.	4.8	0.05	9.1	0.2	5.00E-03	0.1	91	19.3	2.1	75

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62614	Rock	rock_chip	5544163	644785	PT07-01; 28-29 m.	2.1	0.05	6.6	0.2	0.02	0.05	106	21.5	1.5	67
62615	Rock	rock_chip	5544163	644786	PT07-01; 29-30 m. Clay altered andesite.	2.1	0.1	8.3	0.4	0.02	0.2	108	24.1	1.7	58
62616	Rock	rock_chip	5544164	644787	PT07-01; 30-31 m.	0.25	0.05	6.5	0.2	0.02	0.05	105	22.5	1.5	67
62617	Rock	rock_chip	5544164	644788	PT07-01; 31-32 m.	0.25	0.05	6.3	0.2	5.00E-03	0.05	104	23.4	2	72
62618	Rock	rock_chip	5544164	644789	PT07-01; 32-33.5 m. Unaltered andesite.	0.25	0.05	7.4	0.3	5.00E-03	0.05	79	25.3	2.8	60
62619	Rock	rock_chip	5544165	644790	PT07-01; 33.5-35 m. Andesite.	1.7	0.05	8.8	0.2	5.00E-03	0.1	93	27.9	2.8	61
62620	Rock	chip	5544165	644791	PT07-01; Chip sample 35-36.5m. Ungy crmgly looking, fdsp alt'n to serc, mod intensity.	3.1	0.05	10.4	0.2	0.01	0.05	102	22.3	3.1	67
62621	Rock	chip	5544166	644793	PT07-01; Chip sample 36.5-38m. Looks unalt'd rel to last sample.	0.25	0.05	3.7	0.5	0.02	0.2	79	21.2	3.1	58
62622	Rock	chip	5544166	644794	PT07-01; Chip sample 38-39.5m.	0.25	0.05	4.8	0.3	0.03	0.05	165	19.5	3.3	65
62623	Rock	chip	5544167	644796	PT07-01 Chip sample 39.5-41m.	1.7	0.05	5.6	0.2	0.01	0.05	100	11.9	2.2	66
62624	Rock	chip	5544167	644797	PT07-01 Chip sample 41-42.5m. Grungy crumbly sample more alt'n.	73.5	0.05	8.1	0.7	0.02	0.05	790	18.6	4.2	54
62625	Rock	chip	5544168	644799	PT07-01 Chip sample 42.5-44m. Unalt'd.	8.9	0.05	9.2	0.8	5.00E-03	0.1	242	17.7	3.2	65
62627	Rock	chip	5544168	644800	PT07-01 Chip sample 44-45.5m.	1.6	0.05	9.2	0.9	5.00E-03	0.1	98	13.7	3.3	64
62628	Rock	chip	5544169	644801	PT07-01 Chip sample 45.5-47m.	0.7	0.05	7	1.4	5.00E-03	0.05	87	18.5	5.7	64
62629	Rock	rock_chip	5544365	644592	PT07-05: 0-1m. Qtz stringer ~3-5mm wide. Milky white massive qtz.	123	2	179	4.8	0.06	43.9	24	26.3	9.3	52
62630	Rock	rock_chip	5544365	644593	PT07-05: 1-1.5m	105	1	152.1	6.6	0.07	11.6	22	22.1	9.3	45
62631	Rock	rock_chip	5544365	644594	PT07-05: 1.5-2m. Qtz veins present, 0.5-1.5cm. Also area of more intense qtz flooding - almost lenses of qtz (can't measure orientation). Milky white qtz with weak hematite? Staining (in discontinuous bands) also dark grey-black discont. Bands in vein	719	1.1	227.2	4.3	0.06	6.8	23	17.9	6.4	43

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62632	Rock	rock_chip	5544365	644594	PT07-05: 2-2.5m. 1 multi-stage, 1cm milky white qtz vein. Discont. Hematite banding as well as darker (not black) bands in the vein. Moderate fe-staining along vein edges.	75.6	0.6	174.7	2.8	0.05	4.9	33	19.7	6	56
62633	Rock	rock_chip	5544366	644595	PT07-05: 2.5-3m. 2cm qtz vein with 3mm seamlessly attached stringer. Qtz is milky white, and may be locally brecciated.	64.3	0.6	218.2	4.1	0.08	1	32	14.8	7.5	57
62634	Rock	rock_chip	5544366	644595	PT07-05: 3-4m. Chl-filled amygdules in host rock.	59.3	0.7	173.8	3	0.03	1.3	24	22.4	6.9	58
62636	Rock	rock_chip	5544366	644596	PT07-05: 4-4.5m.	127	0.9	131.9	2.8	0.03	10.1	17	22.3	8.2	55
62637	Rock	rock_chip	5544366	644597	PT07-05p . Some milky white qtz, featureless.	1404	6	485.7	19.2	0.07	3.8	39	19.7	7.2	30
62638	Rock	rock_chip	5544366	644597	PT07-05: 5-6m. Milky white ~4cm qtz vein. Subhorizontal. Discont. Black bands in qtz, otherwise massive-looking.	7540	8	243.7	8.2	0.09	5.4	21	15.9	4.1	18
62639	Rock	rock_chip	5544366	644598	PT07-05; 6-7 m.	62.8	0.6	101.3	1.8	0.02	0.8	17	22.9	3.3	59
62640	Rock	rock_chip	5544366	644599	PT07-05; 7-8m.	193	0.7	102.3	1.4	0.02	1	21	18.2	3.2	58
62641	Rock	rock_chip	5544367	644600	PT07-05; 8-8.5 m.	216	2	250.8	7.5	0.27	7.8	56	13.1	5.6	49
62642	Rock	rock_chip	5544367	644601	PT07-05: 8.5-10m. 2mm white milky qtz stringer.	67.9	1	133.6	3.2	0.08	2.6	45	23.2	3.8	42
62643	Rock	rock_chip	5544367	644602	PT07-05: 10-10.5m. Irregular black banding and locally open (mm-size) spaces.	1765	5	179	5.3	0.07	24.8	35	11.3	4.1	15
62644	Rock	rock_chip	5544367	644603	PT07-05; 10.5-11 m.	1168	2	212.1	4.4	0.05	10.6	34	16.5	6.1	29
62645	Rock	rock_chip	5544367	644603	PT07-05; 11-12 m.	121	0.6	67.7	1	0.02	0.9	27	16.6	3.6	42
62646	Rock	rock_chip	5544367	644604	PT07-05; 12-13 m.	219	0.7	68.8	0.9	0.01	0.4	22	13.4	3.3	46
62647	Rock	rock_chip	5544205	644735	PT07-07: 20-21m.	49.3	1	88.2	2.5	0.2	0.6	16	59.6	3.2	73
62648	Rock	rock_chip	5544206	644736	PT07-02: 21-22m.	28.1	0.1	22.1	0.4	0.04	0.7	44	14.8	3.1	75

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62649	Rock	rock_chip	5544206	644737	PT07-02: 22-23m.	7	0.05	4.3	0.2	0.04	0.4	28	26.8	2	71
62650	Rock	rock_chip	5544206	644738	PT07-02: 23-23.5m	4	0.05	3.9	0.1	0.02	0.3	59	26	1.9	74
62651	Rock	rock_chip	5544206	644738	PT07-02: 23.5-24m	3.9	0.05	4.3	0.05	0.01	0.1	128	24.9	1.9	92
62652	Rock	rock_chip	5544207	644739	PT07-02: 24-25m.	6.3	0.05	3.4	0.05	0.02	0.2	113	32.2	2.1	101
62653	Rock	rock_chip	5544207	644740	PT07-02: 25-26m	6.1	0.05	5.5	0.1	0.02	0.05	79	27.6	1.5	90
62654	Rock	rock_chip	5544207	644741	PT07-02; 26-27 m.	4.2	0.05	4.6	0.05	5.00E-03	0.1	78	23.2	1.7	81
62655	Rock	rock_chip	5544208	644741	PT07-02; 27-28m.	3.3	0.05	5.5	0.2	0.02	0.05	63	26.8	1.7	69
62656	Rock	rock_chip	5544208	644742	PT07-02; 28-29 m. Maroon P&G appearance.	1.7	0.05	7.3	0.1	5.00E-03	0.2	159	32.3	1.3	79
62657	Rock	rock_chip	5544209	644743	PT07-02; 29-30 m. Very competent, .	3.7	0.1	13.7	0.1	0.02	0.2	82	12.3	2.2	89
62658	Rock	rock_chip	5544209	644744	PT07-02; 30-31 m.	0.7	0.05	12.3	0.3	0.02	0.3	84	39.5	1.7	82
62659	Rock	rock_chip	5544209	644745	PT07-02; 31-32 m.	2	0.05	11.5	0.2	0.01	0.2	92	25.9	3.1	64
62660	Rock	rock_chip	5544210	644746	PT07-02; 32-33 m. Qtz & silica rich zone.	1	0.05	8.4	0.2	0.01	0.2	78	30.9	2.5	59
62661	Rock	rock_chip	5544210	644747	PT07-02; 33-34 m.	1.5	0.05	6.5	0.2	5.00E-03	0.1	63	35.5	2.2	70
62662	Rock	rock_chip	5544211	644748	PT07-02; 34-35 m.	2.4	0.05	4.8	0.2	0.01	0.2	54	31.9	4	79
62663	Rock	rock_chip	5544211	644749	PT07-02; 35-36 m.	3	0.05	8.9	0.2	0.01	0.2	43	36.4	3.4	100
62664	Rock	rock_chip	5544211	644750	PT07-02; 36-37 m.	1.6	0.05	11.3	0.3	0.01	0.2	61	40.9	2.9	95
62665	Rock	rock_chip	5544212	644750	PT07-02; 37-38 m. Lower section of silica mode.	1.7	0.05	17.6	0.3	0.01	0.2	63	54.2	3.8	95
62666	Rock	rock_chip	5544212	644751	PT07-02; 38-39 m. Silica enriched node w pyrite flecks. Very competent rock.	2	0.1	32	0.3	0.02	0.2	110	40	5.2	62
62667	Rock	rock_chip	5544212	644752	PT07-02; 39-40 m. Edge of silica enriched zone.	1.8	0.05	7.1	0.3	0.01	0.2	43	22.8	3.9	59
62668	Rock	rock_chip	5544212	644753	PT07-02; 40-41 m.	1.4	0.05	5.6	0.5	5.00E-03	0.3	69	19	3.3	57

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62669	Rock	rock_chip	5544213	644754	PT07-07; 41-42 m. OD.	2.3	0.05	6.4	0.2	5.00E-03	0.1	337	15.2	2.3	59
62671	Rock	rock_chip	5544213	644756	PT07-02: 42-43m	1.5	0.05	9.9	0.8	5.00E-03	0.1	194	13.6	3.8	59
62672	Rock	rock_chip	5544213	644757	PT07-02: 43-44m	6.6	0.05	12.4	0.6	5.00E-03	0.1	130	14.9	3.3	64
62673	Rock	rock_chip	5544213	644758	PT07-02: 44-45m.	7.3	0.05	6	0.2	5.00E-03	0.9	120	3.2	1.9	75
62674	Rock	rock_chip	5544213	644759	PT07-02: 45-46m.	13	0.05	10.5	0.4	5.00E-03	0.2	157	6.9	2.3	86
62675	Rock	rock_chip	5544213	644760	PT07-02: 46-47m. Hematite staining faint & could be related to clay development in soil.	7.3	0.05	18	1.3	5.00E-03	0.1	191	3.2	3.9	72
62676	Rock	rock_chip	5544213	644761	PT07-02: 47-48m	35.6	0.05	13.9	1.8	5.00E-03	0.1	158	26.7	5.3	88
62677	Rock	rock_chip	5544204	644725	PT07-02: 10-11m. Majority of bag is vein material. Qtz is milky white, some pieces with irregular dark banding. Some sections look brecciated with wall rock bits 1x1x1mm.	764.4	3	166.5	3.5	0.21	3	28	23	4.6	31
62678	Rock	rock_chip	5544204	644724	PT07-07: 9-10m. Majority of bag qtz. Milky white & has sme dark areas within. Locally hematite-alt [pervasive] andesite that's brecciated by v fine qtz veinlets. Sulphide in alt andesite? And/or vein.	5033	4.5	136.9	2.3	0.25	2.2	23	17	2.8	19
62679	Rock	rock_chip	5544204	644723	PT07-02: 8-9m. Same description as 62678.	6027	7.8	125	2.2	0.29	2.2	51	18.6	2	12
62680	Rock	rock_chip	5544204	644722	PT07-02: 7-8m. Some brecciated areas, same milky qtz w dark banded areas. Locally hematite altered. Didn't observe sulphides.	1234	2.5	148.2	1.9	0.17	2.1	24	19.2	3.9	37
62681	Rock	rock_chip	5544204	644721	PT07-07: 6-7m. Mod pervasive silica flooding.	90	1.5	171.3	4.2	0.28	1.6	26	30.3	6.1	49
62682	Rock	rock_chip	5544203	644720	PT07-07: 5-6m. Same description as 62681, except this contains mm scale calcite veinlets.	231.4	1.7	159.5	2.9	0.33	20.8	23	28.3	4.1	31
62683	Rock	rock_chip	5544203	644719	PT07-02: 3.5-5m.	4.5	0.05	9.3	0.3	0.02	1.5	62	35.1	1.8	77
62684	Rock	rock_chip	5544203	644717	PT07-02: 2-3.5m.	2.2	0.05	9	0.2	5.00E-03	0.8	50	33.1	1.5	62



Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
62685	Rock	rock_chip	5544156	644758	PT07-01 0-1m W	1717	7.9	125.6	5.6	1.02	2.1	20	30.7	2.4	13
62686	Rock	rock_chip	5544156	644757	PT07-01; 1-2m										
62687	Rock	rock_chip	5544156	644756	PT07-01 2-3m W	51.9	0.3	8.6	0.3	0.01	0.5	36	7.6	2.9	32
62688	Rock	rock_chip	5544155	644755	PT07-01 3-4m W	12.3	0.1	4.6	0.2	0.01	0.8	43	30	3.3	70
62689	Rock	rock_chip	5544155	644754	PT07-01 4-5m W	0.6	0.05	5.7	0.1	5.00E-03	1.2	46	25.7	3.7	75
62690	Rock	rock_chip	5544155	644753	PT07-01 5-6m W	0.5	0.05	4.7	0.1	5.00E-03	0.8	43	32.1	3.7	69
70850	Rock	float	5545113	644028	The outcrop here is a lava flow, and this quartz sample was the only quartz found in the float.	431.2	0.2	0.25	0.1	0.04	0.4	6	3.6	0.6	3
70851	Rock	outcrop	5546335	644252		0.25	0.05	0.5	0.05	5.00E-03	0.8	53	21.8	2.5	47
70852	Rock	float	5546420	644271		1	0.05	0.25	0.05	5.00E-03	0.4	57	12.7	2.2	27
70853	Rock	float	5546558	644512	Quartz veins 1 mm thick, with milky, almost opaline luster. Minor fine dull red vein material - hematite, perhaps. Rock is also pervasively weakly silicified.	0.25	0.05	1.2	0.3	0.03	0.7	48	37.2	2.1	62
70854	Rock	outcrop	5546839	644340	Sample is material adjacent to quartz vein, and as much of the vein as could be obtained.	1.6	0.05	4.5	1.6	0.06	0.6	144	37.1	1.5	54
70855	Rock	outcrop	5545105	643975	Not sure it is pyrite - flecks very small. Could be another sulphide.	0.25	0.05	0.25	0.05	5.00E-03	0.7	42	39.9	2.9	65
70856	Rock	Float	5544221	644925	Quartz fragments found as float on Piamainus knob.	0.25	0.05	1.3	0.05	5.00E-03	0.5	82	5	2.4	17
73480	Rock	Float	5544788	644825	Angular 6x8x5 cm size rock. Silicified volcanic rock. Unable to determine protolith. Rock consists of mm thick vein network that floods the rock and produces silica alteration. Silica veinlets are all very fine grained and light grey to white.	10.6	0.4	92.8	2	0.02	1.5	46	18.7	7.9	65

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
73481	Rock		5544907	644971	Angular fist-size piece of float. Massive quartz vein. Very fine grained qtz forming colloform banded vein material 4 cm thick. Alternating red and grey bands of qtz. Concoidal fracture observed on some surfaces. Nothing similar in immediate area. N	0.25	0.05	3.3	0.1	5.00E-03	1.8	40	11.5	1.5	9
73489	Rock	Float	5544316	644612	Sample collected in the field using DFG07-RK-01. Rk is angular and fist sized. Sub-mm to 0.5cm scale bands; banding is irregular to contorted and are dark grey to black in colour. No sx.	342.3	1.5	21.1	4.3	0.18	5.2	59	4.6	3.4	8
73490	Rock	Float	5544316	644614	Sample collected in the field using DFG07-RK-02. Rock is angular and fist sized. Rk is a mixture of massive quartz vein to qtz breccia consisting of angular 0.5cm size qtz fragments within a qtz matrix.	128.8	0.8	29.1	1.7	0.45	19.2	55	3.8	4.9	16
73492	Rock	Float	5544358	644628	Sample collected in the field using DFG07-RK-03. Massive to well banded vein. Banding is symmetrical and seems to be filling in around a central cavity or vug. Banding is defined by grey to white mm to 0.5cm scale bands.	12.1	0.1	4.5	0.4	5.00E-03	1	38	2.7	1.2	7
73493	Rock	Float	5544903	644698	Sample collected in the field using DFG07-RK-04. Rock is angular and measures 15x20x10cm. Appears to be volcaniclastic but alteration is very strong. There are massive light reddish-brown clasts 0.2-2 cm in size, are angular and comprise 30-40% of the r	0.25	0.05	1.2	0.05	0.04	0.5	37	12.2	4.1	54
73494	Rock	Float	5544999	644824	Sample collected in the field using DFG07-RK-05. Rock is fist sized and sub angular. Rock is host to a 3-4 cm thick quartz vein occurring within a chloritized and silicified volcanic rock. Vein is fine to medium grained, massive with no banding. Wall	1.6	0.05	3.1	0.05	5.00E-03	0.5	18	20.7	2.6	38

Appendix IIIa - Surface Sample Locations and Geochemistry Results

ID	Sample	Type	Northing	Easting	Comments	Au_ppb	Ag_ppm	As_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
73495	Rock	Float	5544608	644873	Angular fist size piece of float on a 50%-50% talus and dirt slope. Qtz vein occurring as single piece, as well as in another float piece that shows a contact with wky to locally moderately silicified volcanic. Difficult to determine proptolith but po	22.1	0.2	40.2	3.7	0.26	4.3	136	12.9	5.2	23
73496	Rock	Float	5544598	644867	Angular 4x8x6cm size rock. Massive to brecciated qtz vein, sub mm pyrite disseminated thr'out the rock. A number of fractures surfances extend through the sample and are coated with limonite. Rock also exxhibits sugary textured qtz. Some of the pyrite	52.4	0.7	83.9	1	0.02	35.2	54	9.5	6.2	35
73497	Rock	Float	5544599	644867	Angular 8x8x8 cm size piece of float interpreted to be very localized. Qtz breccia with angular qtz fragments in qtz matrix. Also observe massive qtz vein material. Pyrite is dominate sulphide but could observe a dark grey hexagonal mineral - unknown?	290.8	0.6	16.6	0.4	5.00E-03	28.4	33	2.5	2.7	18
73498	Rock	Float	5544612	644863	Angular 30x15x15 size piece of float. Massive greyish-white vein. 100% vein material with no wall rock. Some weak veining defined by different coloured qtz. Note: there are 5-6 other qtz samples on hill side next to road, suggesting that the four sampl	285.4	0.4	36.1	1.2	0.04	8.5	53	10.9	4.8	22
73499	Rock	Float	5544795	644816	Angular piece of float 8x12x5 cm in size. Qtz vein with pseudo-breccia texture developed from irregular limonite alteration that rims sections of rock and forms sinuous fractures. Rocks in this area are generally silica flooded and chlorite altered.	47.3	0.4	39.6	1	5.00E-03	0.4	35	8.1	6.4	35

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-01	73002	6	7.5	1.9	0.05	3.4	0.1	5.00E-03	0.7	29	48.1	4.1	62
Pd07-01	73003	12.5	14	1.8	0.05	2.1	0.05	5.00E-03	0.9	51	31.2	3.3	53
Pd07-01	73004	19	20.5	2	0.05	6.1	0.2	5.00E-03	1.2	31	14.4	3.6	61
Pd07-01	73005	25.5	27	1.6	0.05	6.1	0.5	5.00E-03	1	40	20.4	3.6	59
Pd07-01	73006	30	31.7	1	0.05	6.3	0.3	5.00E-03	0.5	36	34.4	2.2	59
Pd07-01	73007	31.7	32.4	1	0.05	6.4	0.6	0.04	0.6	44	17.7	2.2	45
Pd07-01	73008	32.4	33.4	9.9	0.2	10	0.3	0.19	0.6	8	16.7	4.2	58
Pd07-01	73009	33.4	34.4	1	0.05	1.6	0.05	0.05	0.2	21	21.3	3.6	50
Pd07-01	73010	34.4	35.4	0.7	0.05	4.3	0.1	0.03	0.2	12	23	2.8	57
Pd07-01	73011	35.4	36.4	0.25	0.05	1.5	0.05	0.04	0.05	24	12.3	1.3	39
Pd07-01	73012	36.4	37.4	1.6	0.05	5.7	0.1	0.02	0.2	20	16.1	1.8	52
Pd07-01	73013	37.4	38.9	2.3	0.05	1.6	0.05	0.04	0.2	17	22.1	1.6	55
Pd07-01	73014	38.9	40.4	1.7	0.05	1.4	0.05	0.01	0.2	63	23.9	2.3	58
Pd07-01	73015	40.4	41.4	0.25	0.05	1.3	0.05	0.02	0.1	55	15.2	2.7	64
Pd07-01	73016	41.4	42.4	2.5	0.1	2.6	0.05	0.13	0.4	50	11.4	4.9	54
Pd07-01	73017	42.4	43.4	0.25	0.05	1.4	0.05	0.02	0.1	16	27.5	2.3	25
Pd07-01	73018	43.4	44.4	0.8	0.05	1.7	0.05	0.03	0.2	33	28.7	6.2	54
Pd07-01	73019	44.4	45.4	0.7	0.05	2.2	0.05	0.02	0.2	10	26.8	3	50
Pd07-01	73021	45.4	46.4	0.25	0.05	2	0.05	0.01	0.1	16	24.5	2.6	55
Pd07-01	73022	46.4	47.4	0.25	0.05	1.8	0.05	0.02	0.1	35	25.9	2.3	56
Pd07-01	73023	47.4	48	1.1	0.05	1.8	0.05	0.01	0.2	24	26	2.2	50
Pd07-01	73024	48	49	0.25	0.1	3.2	0.05	0.02	0.2	102	35.8	2.5	49
Pd07-01	73026	49	49.8	1.9	0.05	1.4	0.2	5.00E-03	0.6	56	26.1	4.4	32
Pd07-01	73027	49.8	50.5	1.3	0.1	2.6	0.1	0.08	0.3	15	38.6	4.4	39
Pd07-01	73028	50.5	52	0.25	0.05	1.1	0.05	5.00E-03	0.2	23	15.9	2.1	67
Pd07-01	73029	52	53.5	0.25	0.05	0.9	0.05	0.01	0.2	34	23.4	1.8	59
Pd07-01	73030	53.5	55	0.8	0.05	1.1	0.05	0.01	0.2	98	23.9	2.5	60
Pd07-01	73032	55	56.5	0.5	0.05	1.1	0.1	0.01	0.1	19	19.3	2.5	67
Pd07-01	73033	56.5	58	1.5	0.05	1.6	0.1	5.00E-03	0.2	20	21.3	4	68
Pd07-01	73034	58	59.5	0.8	0.05	1.4	0.1	0.01	0.2	17	18.8	4.9	63
Pd07-01	73035	64.5	66	0.25	0.1	1.1	0.2	5.00E-03	0.4	17	24.4	4.5	67
Pd07-01	73036	71	72.5	0.8	0.05	0.7	0.05	5.00E-03	0.4	17	23.6	2.9	62
Pd07-01	73037	77.5	79	0.25	0.05	1.4	0.1	0.01	0.2	13	43.1	2.1	57
Pd07-01	73038	79	80.5	0.25	0.05	1	0.05	5.00E-03	0.2	10	27.5	2.4	72
Pd07-01	73039	80.5	81.5	0.25	0.05	1.2	0.05	5.00E-03	0.1	9	39.4	3	67
Pd07-01	73040	81.5	82.55	0.25	0.05	1.6	0.05	5.00E-03	0.2	11	34.2	2.7	63

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-01	73041	82.55	84	0.25	0.05	1.8	0.05	5.00E-03	0.2	25	33	2.4	55
Pd07-01	73042	84	85.5	0.25	0.05	1.1	0.05	5.00E-03	0.1	17	28.1	1.9	62
Pd07-01	73043	89.5	91	0.8	0.05	1.3	0.05	5.00E-03	0.1	17	35.3	2.5	62
Pd07-01	73044	91	92.45	0.25	0.05	1	0.1	5.00E-03	0.2	442	12.3	2.6	44
Pd07-01	73045	92.45	94	0.7	0.05	0.8	0.1	5.00E-03	0.1	225	31.3	3.1	65
Pd07-01	73046	94	95.5	0.25	0.05	1.2	0.05	5.00E-03	0.1	136	19.9	2.2	67
Pd07-01	73047	100.5	102	0.25	0.05	0.9	0.05	5.00E-03	0.1	65	22.1	3.2	81
Pd07-01	73048	107	108.5	1.5	0.4	1.2	0.05	5.00E-03	0.1	17	29.9	3.4	75
Pd07-01	73049	113.5	115	1.6	0.4	0.9	0.05	5.00E-03	0.1	89	23.3	3.4	66
Pd07-01	73051	120	121.5	1.2	0.4	0.8	0.05	5.00E-03	0.6	167	27.5	2.1	59
Pd07-01	73052	126.5	128	0.25	0.5	3.7	0.1	0.05	5.4	193	24.6	4.5	48
Pd07-01	73053	131.7	133.2	1.2	0.4	0.8	0.05	0.02	0.3	112	26.8	3	67
Pd07-02	73054	5	6.5	0.25	0.05	1.4	0.05	5.00E-03	0.8	79	71	4.7	61
Pd07-02	73055	11.5	13	0.8	0.05	1.1	0.05	5.00E-03	0.7	69	38.5	3.6	58
Pd07-02	73056	18	19.5	0.25	0.05	1.3	0.05	5.00E-03	0.9	63	18.4	3.5	59
Pd07-02	73057	24.5	26	0.25	0.05	2.2	0.05	5.00E-03	1.2	67	24.5	3.9	58
Pd07-02	73058	31	32.5	0.25	0.05	1.2	0.05	5.00E-03	0.8	38	36.3	3.4	55
Pd07-02	73059	37.5	39	0.25	0.05	3.3	0.1	5.00E-03	1.1	105	19.3	4.3	57
Pd07-02	73060	44	45.5	0.25	0.05	4.7	0.2	5.00E-03	1	41	24.3	4	60
Pd07-02	73062	47.4	48.9	0.25	0.05	5.4	0.3	0.11	0.7	36	31.4	3.4	45
Pd07-02	73063	48.9	50	8.9	0.4	10.4	0.2	0.85	0.3	11	64.7	5.6	52
Pd07-02	73064	50	51.5	0.25	0.05	1.3	0.05	0.08	0.05	13	30.9	3.2	67
Pd07-02	73065	51.5	53	0.25	0.05	3	0.05	0.15	0.2	101	26.4	2.6	57
Pd07-02	73066	53	54.5	0.25	0.05	1.3	0.05	0.09	0.05	230	21.6	2.5	64
Pd07-02	73067	54.5	56	0.25	0.05	1.8	0.1	0.03	0.1	227	23.7	2.7	60
Pd07-02	73068	56	57.55	0.25	0.05	2.2	0.05	0.01	0.2	131	22	2.6	59
Pd07-02	73069	57.55	59	0.25	0.05	1.6	0.1	5.00E-03	0.1	19	27.6	2.2	54
Pd07-02	73071	59	60.5	0.25	0.05	1.4	0.05	5.00E-03	0.2	325	26.4	2.1	63
Pd07-02	73072	60.5	62	9.4	0.05	1.3	0.05	5.00E-03	0.3	55	22.8	2.3	65
Pd07-02	73073	65.8	67.3	0.25	0.05	1.5	0.05	5.00E-03	0.2	183	29.1	2.2	65
Pd07-02	73074	67.3	68.2	0.25	0.05	3.8	0.05	0.02	0.1	164	30.8	3.2	52
Pd07-02	73076	68.2	69.7	26.8	0.1	0.7	0.05	0.01	0.3	46	28.6	2.3	69
Pd07-02	73077	69.7	71.2	1.4	0.05	0.6	0.05	5.00E-03	0.2	69	17.7	2.7	67
Pd07-02	73078	71.2	72.7	1.6	0.05	0.9	0.05	0.01	0.3	35	22.3	2.3	59
Pd07-02	73079	72.7	74.2	1.7	0.05	0.25	0.05	5.00E-03	0.8	42	29.6	2.2	74
Pd07-02	73080	79	80.5	0.8	0.05	1.6	0.05	0.01	1.1	27	34	3.6	62

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-02	73081	85.5	87	0.8	0.05	0.7	0.05	5.00E-03	1.5	20	28.4	3.1	65
Pd07-02	73082	92	93.5	0.25	0.05	0.6	0.1	5.00E-03	0.9	32	36.7	2.4	64
Pd07-02	73083	98.5	100	0.25	0.1	0.7	0.05	5.00E-03	0.2	50	39.9	2.4	69
Pd07-02	73084	101.7	103.2	0.25	0.05	1.2	0.05	5.00E-03	0.2	11	33.4	2.6	70
Pd07-02	73085	103.2	104.7	0.25	0.1	0.8	0.1	5.00E-03	0.4	58	45.6	2.6	65
Pd07-02	73086	104.7	106.2	0.6	0.05	1.1	0.05	0.01	0.2	37	23.5	2.8	56
Pd07-02	73087	106.2	107.7	1.2	0.05	0.5	0.05	5.00E-03	0.2	21	32.3	2.4	76
Pd07-02	73088	111.4	112.9	1.8	0.05	2	0.05	5.00E-03	0.2	52	28.8	3.1	61
Pd07-02	73089	112.9	114	0.25	0.05	0.7	0.05	5.00E-03	0.2	23	45.5	2.2	70
Pd07-02	73090	114	115.07	0.25	0.05	1.1	0.2	5.00E-03	0.2	469	27.7	2.3	64
Pd07-02	73092	115.07	116.57	0.25	0.05	0.7	0.1	5.00E-03	0.2	53	20.9	1.8	63
Pd07-02	73093	121.5	123	0.25	0.05	1	0.05	5.00E-03	0.2	292	15	2.3	62
Pd07-02	73094	128	129.5	0.25	0.05	1.8	0.05	5.00E-03	0.3	108	22.8	1.5	66
Pd07-02	73095	134.5	136	15.5	0.05	1.2	0.05	5.00E-03	0.3	25	27.3	2.1	58
Pd07-02	73096	141	142.5	1.8	0.05	1.1	0.05	5.00E-03	0.2	27	26.4	1.6	64
Pd07-02	73097	147.5	149	0.6	0.05	0.6	0.05	5.00E-03	0.2	30	29.5	1.8	63
Pd07-02	73098	154	155.5	0.25	0.05	1.5	0.05	5.00E-03	0.2	33	22.7	2.9	75
Pd07-02	73099	160.5	162	1.5	0.05	2.4	0.05	5.00E-03	0.2	53	11.6	2.6	63
Pd07-02	73102	167	168.5	1.6	0.05	1.3	0.05	5.00E-03	0.2	480	13.5	2.9	62
Pd07-02	73103	173.5	175	0.25	0.05	0.25	0.05	5.00E-03	0.1	13	20.2	2.9	66
Pd07-02	73104	178	179.5	0.7	0.05	0.25	0.05	5.00E-03	0.6	41	25.1	2.3	62
Pd07-02	73105	179.5	181	1.2	0.05	0.25	0.1	0.01	0.4	19	20.2	2.9	267
Pd07-02	73106	186	187.5	0.25	0.05	0.25	0.05	5.00E-03	0.4	42	26.2	2.2	66
Pd07-02	73107	192.5	194	0.25	0.05	0.25	0.05	5.00E-03	0.4	239	39.7	2.8	64
Pd07-02	73108	198.5	200	0.25	0.05	0.7	0.05	5.00E-03	0.4	71	35	3.7	66
Pd07-03	73109	8	9.5	1.4	0.05	1.6	0.2	5.00E-03	1.7	213	12.8	5.7	67
Pd07-03	73110	9.5	11	0.8	0.05	0.5	0.1	5.00E-03	0.4	60	18.1	2.5	62
Pd07-03	73111	11	12.5	0.25	0.05	2.1	0.3	0.01	0.5	394	20	3.5	48
Pd07-03	73112	12.5	14	1	0.05	4.3	0.1	0.01	0.3	606	11.5	2.7	51
Pd07-03	73113	14	15.5	1.4	0.05	8.6	0.2	5.00E-03	0.4	373	14.1	2.2	51
Pd07-03	73114	15.5	17	0.25	0.05	3.7	0.2	0.04	0.5	111	20.6	2.1	54
Pd07-03	73115	17	17.94	3.5	0.05	11.2	0.1	0.01	0.6	42	29.3	2	66
Pd07-03	73116	17.94	18.85	8.5	0.1	18.5	0.9	0.56	0.9	10	39.3	3.9	76
Pd07-03	73117	18.85	20	68.2	1.2	169.3	5.4	0.32	3.7	33	92.4	5.9	46
Pd07-03	73118	20	21	16.8	0.3	61	1.3	0.14	0.3	30	54.8	2.8	50
Pd07-03	73119	21	22.5	2.6	0.05	17.6	0.2	0.16	0.3	41	14.3	3.2	44

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-03	73121	22.5	24	1.2	0.05	6.4	0.2	0.07	0.4	26	25.1	3.9	53
Pd07-03	73122	24	25.5	0.25	0.05	1.4	0.05	0.07	0.2	41	17.9	3.9	61
Pd07-03	73123	25.5	27	0.25	0.05	2.3	0.05	0.01	0.2	228	18	2	63
Pd07-03	73124	27	28.5	0.25	0.05	1.5	0.05	0.02	0.1	437	17.9	2.1	59
Pd07-03	73126	28.5	30	0.25	0.05	1.2	0.1	0.02	0.1	327	31.7	2.7	48
Pd07-03	73127	30	31.5	0.25	0.05	1.2	0.1	0.01	0.2	23	28	2.9	54
Pd07-03	73128	31.5	33	5.2	0.05	5	0.2	0.1	0.2	65	7	3.7	51
Pd07-03	73129	33	34.5	2.3	0.05	2	0.1	0.06	0.2	22	25.1	2.9	57
Pd07-03	73130	34.5	35.6	2.1	0.05	1.2	0.1	5.00E-03	0.1	91	30.6	2.3	58
Pd07-03	73132	36	37.5	1.1	0.05	0.7	0.05	0.02	0.1	129	16.4	2.1	59
Pd07-03	73133	37.5	39	3	0.05	1.3	0.1	0.01	0.05	101	26.9	2.2	59
Pd07-03	73134	39	40.5	0.9	0.05	0.9	0.1	0.01	0.2	30	26	2.5	60
Pd07-03	73135	40.5	42	2.3	0.05	1.9	0.2	0.02	0.05	57	21.7	1.8	67
Pd07-03	73136	42	43.5	2.1	0.05	2.1	0.1	5.00E-03	0.2	33	23.1	2.6	59
Pd07-03	73137	43.5	45	0.5	0.05	1.3	0.1	0.02	0.1	108	28.4	2.2	61
Pd07-03	73138	45	46.5	0.25	0.05	1.6	0.05	0.01	0.1	33	20.1	2.3	62
Pd07-03	73139	46.5	48	1.1	0.05	1.3	0.05	0.02	0.1	28	26.5	2.6	64
Pd07-03	73140	48	49.5	0.9	0.05	1.5	0.1	0.03	0.1	34	29	3.6	66
Pd07-03	73141	49.5	51	2.1	0.05	1.1	0.1	0.03	0.2	30	27.2	2.5	64
Pd07-03	73142	51	51.9	0.25	0.05	2.2	0.2	5.00E-03	0.2	139	12.6	3.2	53
Pd07-03	73143	51.9	52.36	0.25	0.05	1.6	0.2	0.02	0.3	277	5.2	4.3	20
Pd07-03	73144	52.36	53.5	0.25	0.05	3	0.4	5.00E-03	0.1	20	5	3.4	54
Pd07-03	73145	53.5	55	0.25	0.05	2.8	0.3	0.02	0.1	38	16.5	2.6	73
Pd07-03	73146	55	56.5	2.2	0.05	2.5	0.2	0.04	0.2	23	14.2	3	56
Pd07-03	73147	59.5	61	0.7	0.05	1.9	0.2	0.03	0.2	175	16.6	2.4	46
Pd07-03	73148	64.9	66.4	0.25	0.05	0.9	0.05	5.00E-03	0.2	82	25.1	1.8	70
Pd07-03	73149	66.4	67	0.25	0.05	1.4	0.3	0.02	0.4	275	5.3	3.2	42
Pd07-03	73151	67	68.5	2.7	0.05	1.8	0.2	0.01	0.3	111	9.9	3.4	55
Pd07-03	73152	68.5	70	0.25	0.05	1.5	0.2	0.01	0.2	137	19.4	3.2	49
Pd07-03	73153	70	71.5	0.25	0.05	1.2	0.1	0.01	0.2	96	4	3.3	37
Pd07-03	73154	73	74.5	0.25	0.05	1.3	0.05	0.01	0.2	34	34.5	2.4	68
Pd07-03	73155	76.5	78	0.25	0.05	2.1	0.2	5.00E-03	0.2	298	38.4	3	64
Pd07-03	73156	84.5	86	0.25	0.05	1.1	0.1	5.00E-03	0.4	207	50.5	3.4	64
Pd07-03	73157	91	92.5	1.7	0.05	1.6	0.2	5.00E-03	0.1	525	31.7	2	62
Pd07-03	73158	97.5	99	0.25	0.05	2.3	0.05	5.00E-03	0.2	244	22	4.7	78
Pd07-03	73159	104	105.5	0.25	0.05	1.7	0.05	0.01	0.2	76	14.8	5.5	86

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-03	73160	110.5	112	0.5	0.05	1.2	0.05	5.00E-03	0.2	61	3	6.2	85
Pd07-03	73162	117	118.5	0.25	0.1	1.4	0.1	5.00E-03	0.2	29	60.3	3.9	111
Pd07-03	73163	123.5	125	0.25	0.05	1.2	0.2	0.02	0.3	51	15.9	6.9	76
Pd07-03	73164	130	131.5	0.25	0.05	0.9	0.1	0.01	0.2	45	80.8	3.8	91
Pd07-03	73165	136.5	138	0.25	0.3	1.6	0.3	0.01	0.2	21	116	3.3	80
Pd07-03	73166	143	144.5	0.25	0.05	0.25	0.05	5.00E-03	0.8	69	30.7	2.2	68
Pd07-03	73167	149.5	151	0.6	0.05	2.1	0.2	5.00E-03	0.2	50	14.7	4.2	75
Pd07-03	73168	153	154.53	0.6	0.1	2.1	0.1	5.00E-03	9.3	74	38.8	3	73
Pd07-04	73169	9	10.5	0.7	0.05	3	0.6	5.00E-03	0.2	62	22.9	2.8	50
Pd07-04	73479	13.3	14	4	0.05	3.3	0.8	5.00E-03	0.2	598	19.7	3.9	37
Pd07-04	73171	15.5	17	0.9	0.05	2.4	0.7	5.00E-03	0.2	94	20.3	2.7	55
Pd07-04	73172	17	18.5	0.7	0.05	3	1.1	5.00E-03	0.3	61	24.2	3	55
Pd07-04	73173	23.5	25	7.6	0.05	9.5	1.1	5.00E-03	0.2	33	6	4.8	59
Pd07-04	73174	32	33.5	0.25	0.05	2.8	3.8	5.00E-03	0.2	175	25.2	4.2	57
Pd07-04	73176	38.5	40	8.5	0.2	4.2	0.5	5.00E-03	0.2	16	127.1	2.5	81
Pd07-04	73177	45	46.5	2.8	0.05	14.7	1	5.00E-03	0.2	170	10	3.7	41
Pd07-04	73478	46.5	47.77	5	0.05	3.6	0.3	5.00E-03	0.1	113	7.2	3.2	62
Pd07-04	73178	47.77	48	0.8	0.05	4.2	0.2	5.00E-03	0.2	14	23	2.7	76
Pd07-04	73179	48	49.5	0.6	0.05	4.9	0.4	5.00E-03	0.2	35	15.6	4.7	66
Pd07-04	73180	49.5	51	0.25	0.05	1.2	0.1	5.00E-03	0.1	16	28.7	2.4	71
Pd07-04	73181	51	51.6	0.8	0.2	3.5	0.2	5.00E-03	0.3	350	54.9	2.5	40
Pd07-04	73182	51.6	52.36	0.8	0.05	1.3	0.05	5.00E-03	0.9	1707	14.8	4.1	42
Pd07-04	73183	52.36	52.71	0.25	0.05	0.7	0.2	5.00E-03	0.3	50	3.8	1.8	27
Pd07-04	73184	52.71	54	0.25	0.1	1.9	0.1	5.00E-03	0.2	100	48.9	2.4	38
Pd07-04	73185	54	55.5	0.25	0.3	1.8	0.3	5.00E-03	0.4	39	108.2	2.8	48
Pd07-04	73186	55.5	57	0.7	0.1	3.1	0.1	5.00E-03	0.3	26	24	3.2	46
Pd07-04	73187	57	58.5	0.25	0.1	1.5	0.05	5.00E-03	1	42	27.1	2.6	50
Pd07-04	73188	58.5	60	0.25	0.05	1.2	0.05	5.00E-03	0.05	23	20.7	2	62
Pd07-04	73189	60	61.5	0.25	0.05	1.2	0.05	0.03	0.1	115	26.9	2.1	58
Pd07-04	73190	61.5	63	0.25	0.05	1.1	0.05	5.00E-03	0.1	53	29	1.8	64
Pd07-04	73192	63	64.5	0.25	0.05	1.4	0.05	5.00E-03	0.2	310	44.4	1.4	64
Pd07-04	73193	64.5	66	2.7	0.4	2.5	0.2	5.00E-03	0.2	493	40.2	2.9	65
Pd07-04	73194	71	72.5	0.25	0.1	1.4	0.05	5.00E-03	0.2	145	22.5	2.9	75
Pd07-04	73195	77.5	79	0.25	0.05	1.1	0.05	5.00E-03	0.1	21	25.8	1.9	70
Pd07-04	73196	84	85.5	0.25	0.05	1.7	0.05	5.00E-03	0.1	16	16	2.8	71
Pd07-04	73197	90.5	92	0.25	0.05	1.5	0.05	5.00E-03	0.2	222	22.2	2	64



Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-04	73198	97	98.5	0.25	0.05	1.2	0.05	5.00E-03	0.05	138	27.9	2	65
Pd07-04	73199	103.5	105	0.25	0.05	1.2	0.05	5.00E-03	0.1	151	9	2.2	78
Pd07-04	73202	108.5	110	0.25	0.1	2.8	0.4	0.01	2.7	773	41.1	7	82
Pd07-04	73203	110	111.5	0.25	0.05	1.2	0.2	5.00E-03	0.3	58	31.8	3.8	57
Pd07-04	73204	111.5	113	0.25	0.05	0.25	0.05	5.00E-03	0.2	77	26.1	3.5	50
Pd07-04	73205	115	116.5	0.5	0.05	2.2	0.3	0.02	0.3	58	37	4	58
Pd07-04	73206	116.5	118	0.25	0.05	0.8	0.05	5.00E-03	0.3	69	31.5	2.9	65
Pd07-04	73207	123	124.5	0.25	0.05	1.2	0.1	5.00E-03	0.3	98	21.3	5.6	86
Pd07-04	73208	129.5	131	0.25	0.05	0.7	0.05	5.00E-03	1	523	57.4	2.5	60
Pd07-04	73209	136	137.5	0.25	0.05	0.25	0.4	0.06	0.2	461	42.1	2.5	65
Pd07-04	73210	142.5	144	0.25	0.05	1.2	0.5	5.00E-03	0.1	251	38.2	2.7	65
Pd07-04	73211	149	150.5	0.25	0.1	1.8	0.8	5.00E-03	0.2	56	153.8	4.1	81
Pd07-04	73212	155.5	157	33.8	0.05	2.9	0.3	5.00E-03	0.2	248	12.2	2.6	72
Pd07-04	73213	162	163.5	0.25	0.05	1.7	0.2	5.00E-03	0.2	43	32.9	3	65
Pd07-05	73214	4.5	6	0.25	0.05	2.4	1.2	5.00E-03	0.2	53	23.5	25.8	96
Pd07-05	73215	6	7.5	0.25	0.05	4	1	5.00E-03	0.1	83	20.5	6.2	67
Pd07-05	73216	7.5	9	0.25	0.05	5.7	1.5	5.00E-03	0.1	127	26	7.3	63
Pd07-05	73217	14	15.5	3.7	0.05	10.6	1.4	5.00E-03	0.1	135	20.1	7.3	61
Pd07-05	73218	20.5	22	0.25	0.05	5	0.8	5.00E-03	0.2	80	23.4	6.2	61
Pd07-05	73219	27	28.5	0.25	0.1	3.4	0.3	5.00E-03	0.1	28	44.9	4.3	86
Pd07-05	73221	31	32.5	2	0.1	2.7	0.4	5.00E-03	0.2	38	52.8	2.6	76
Pd07-05	73222	33	34.5	1	0.05	2.1	0.3	5.00E-03	0.05	59	32.3	2.3	70
Pd07-05	73223	39.5	41	1	0.05	1.4	0.1	5.00E-03	0.05	203	25.4	2.3	59
Pd07-05	73224	43.5	45	1	0.05	2.3	0.2	5.00E-03	0.1	139	27.7	2.8	62
Pd07-05	73226	45	46.5	1	0.05	2.1	0.1	5.00E-03	0.1	489	24.4	2.8	57
Pd07-05	73227	46.5	48	1	0.05	1.4	0.05	5.00E-03	0.1	37	25.1	2.3	57
Pd07-05	73228	48	49.5	1	0.05	1.5	0.05	0.01	0.1	80	18.7	2.7	50
Pd07-05	73229	49.5	51	1	0.05	1.4	0.05	5.00E-03	0.1	313	16.8	3	55
Pd07-05	73230	51	52.5	1	0.05	1.1	0.05	5.00E-03	0.1	80	26.2	2.8	62
Pd07-05	73232	52.5	54	1	0.05	1	0.05	0.01	0.3	37	28.6	2.7	57
Pd07-05	73233	54	55.5	1	0.05	1.2	0.05	5.00E-03	0.2	244	28.7	2.9	59
Pd07-05	73234	55.5	57	1	0.05	1.5	0.2	5.00E-03	0.2	22	20.9	4.1	59
Pd07-05	73235	62	63.5	1.8	0.05	2.1	0.4	5.00E-03	0.2	25	22.8	3.7	57
Pd07-05	73236	67.5	69	1.3	0.05	0.9	0.05	5.00E-03	0.3	19	23.3	2.6	58
Pd07-05	73237	69	70.5	1	0.05	1.2	0.05	5.00E-03	0.2	125	23.6	2.1	56
Pd07-05	73238	70.5	72	1	0.05	1.1	0.05	5.00E-03	0.2	157	34	3	63

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-05	73239	72	73.5	1.2	0.05	0.9	0.05	5.00E-03	0.2	51	27.5	2.8	64
Pd07-05	73240	75	76.5	0.25	0.05	0.8	0.1	5.00E-03	0.3	33	34.4	3.5	60
Pd07-05	73241	76.5	78	1	0.05	1.2	0.1	0.01	0.3	23	27.6	3	64
Pd07-05	73242	78	79.5	1	0.05	1.7	0.3	5.00E-03	0.2	22	30.6	3.8	62
Pd07-05	73243	79.5	81	1	0.05	1.3	0.2	5.00E-03	0.2	29	31.1	3.4	67
Pd07-05	73244	81	82.5	1	0.05	0.8	0.2	5.00E-03	0.4	17	33.2	2.7	66
Pd07-05	73245	82.5	84	1	0.05	1	0.05	0.02	0.1	95	32.4	2.5	57
Pd07-05	73246	84	85.5	1	0.05	1.2	0.1	5.00E-03	0.3	115	29.7	3	66
Pd07-05	73247	85.5	87	1	0.05	1.4	0.2	5.00E-03	0.3	41	35.4	3.5	65
Pd07-05	73248	87	88.5	1	0.05	1.7	0.05	5.00E-03	0.2	24	24.3	3	68
Pd07-05	73249	88.5	90	1	0.05	1.5	0.05	5.00E-03	0.2	29	15.6	3.2	61
Pd07-05	73251	90	91.5	7	0.05	8.1	0.1	0.02	0.2	34	13.9	2.1	62
Pd07-05	73252	96	97.5	4	0.05	1	0.2	0.01	0.1	44	5.4	2.5	60
Pd07-05	73253	97.5	99	1	0.05	0.8	0.2	0.02	0.2	108	8.7	2.5	37
Pd07-05	73254	99	100.5	1	0.05	0.8	0.1	5.00E-03	0.6	34	30.3	3.3	67
Pd07-05	73255	100.5	102	1	0.05	0.9	0.05	5.00E-03	1.2	45	28.2	3.4	55
Pd07-05	73256	102	103.5	0.25	0.05	0.25	0.1	5.00E-03	1.1	23	24.7	2.1	63
Pd07-05	73257	108.5	110	1.6	0.05	1.1	0.05	5.00E-03	0.9	46	29.5	2.6	65
Pd07-05	73258	111.5	113	0.25	0.05	2	0.05	5.00E-03	0.2	52	20.2	2.1	82
Pd07-05	73259	113	114.5	0.25	0.05	1.5	0.05	5.00E-03	0.3	69	19.7	2.3	62
Pd07-05	73260	115	116.5	0.25	0.05	1.3	0.05	0.02	1.3	125	23.2	4.7	68
Pd07-05	73262	121.5	123	0.25	0.05	1.8	0.05	0.05	1.2	150	39.8	3.5	81
Pd07-05	73263	128	129.5	4.2	0.05	1.7	0.2	5.00E-03	1	124	14.8	5.1	70
Pd07-05	73264	134.5	136	0.8	0.1	0.7	0.2	0.14	2.4	40	24.4	4.8	62
Pd07-05	73265	141	142.5	1.5	0.2	4.6	0.4	0.02	5.1	106	30.6	6.4	60
Pd07-05	73266	142.5	144	1	0.2	5	0.5	0.02	1.7	179	26.6	5.7	65
Pd07-05	73267	144	145.5	1	0.05	1.3	0.7	0.09	0.2	296	25.2	2	64
Pd07-05	73268	145.5	147	1	0.1	1.2	0.6	0.22	0.5	66	41.1	2.4	71
Pd07-05	73269	147	148.5	1	0.1	1.2	0.7	0.04	0.8	74	53.9	3.2	68
Pd07-05	73271	148.5	150	0.6	0.1	1.2	0.8	0.03	0.2	107	23.3	3.1	64
Pd07-05	73272	153	154.53	0.5	0.1	1.5	0.9	0.14	0.1	116	12.2	3	58
Pd07-06	73273	10.5	12	0.25	0.05	1.1	0.2	5.00E-03	0.5	21	8.9	2.9	58
Pd07-06	73274	12	13.5	0.25	0.05	1.2	0.3	0.02	0.2	24	5.1	3.9	63
Pd07-06	73276	13.5	15	0.25	0.05	1	0.2	0.03	0.2	117	18	3.8	58
Pd07-06	73277	15	16.5	0.9	0.05	1.6	0.2	5.00E-03	0.2	42	34.9	3.2	63
Pd07-06	73278	16.5	18	1.4	0.05	1.8	0.2	5.00E-03	0.2	23	31.2	3.7	55

Appendix IIIb - Drilling Sample Intervals and Geochemistry

Hole_ID	Sample #	mFrom	mTo	Au_ppb	Ag_ppm	Ars_ppm	Sb_ppm	Hg_ppm	Mo_ppm	Ba_ppm	Cu_ppm	Pb_ppm	Zn_ppm
Pd07-06	73279	18	19.5	2.9	0.05	1	0.2	0.01	0.5	54	26.5	4.4	60
Pd07-06	73280	19.5	21	1.7	0.1	2.3	0.4	0.02	0.9	25	24.7	4.1	52
Pd07-06	73281	21	23	5.9	0.1	2	0.2	0.02	0.4	101	37.2	3.4	54
Pd07-06	73282	23	24	19.6	0.1	3	0.4	0.02	0.2	22	12.4	4.5	70
Pd07-06	73283	24	25.5	2.2	0.05	1.6	0.2	0.01	0.2	41	27.3	3.6	60
Pd07-06	73284	25.5	26.15	3.2	0.2	16.2	0.6	0.1	1.6	28	46.4	4.3	67
Pd07-06	73285	26.15	27.32	3.3	0.2	35	2.7	0.16	7.1	32	25.6	4.3	31
Pd07-06	73286	27.32	27.95	4.3	0.3	73.7	4	0.23	2.4	24	31.4	7.4	70
Pd07-06	73287	27.95	29	2.3	0.2	56.9	1.7	0.11	5.5	20	66	4.2	68
Pd07-06	73288	29	29.61	3	0.2	56	1.4	0.11	1.5	19	68.7	4.4	84
Pd07-06	73289	29.61	30.71	3.4	0.3	33.2	0.6	0.05	10.4	118	31.3	4.5	42
Pd07-06	73290	30.71	32	5.9	0.4	37	0.9	0.08	2	18	18.2	4.3	46
Pd07-06	73293	32	33.05	6	0.2	17.4	0.4	0.03	2.9	21	33.6	4	47
Pd07-06	73294	33.05	34.5	0.25	0.1	1.1	0.3	0.01	0.2	16	54	2.4	68
Pd07-06	73295	34.5	36	0.25	0.1	1.3	0.3	0.01	0.2	29	40.2	1.9	64
Pd07-06	73296	41	42.5	2.4	0.05	1.1	0.2	5.00E-03	0.6	42	56.8	1.9	66
Pd07-06	73297	47.5	49	0.25	0.2	2.3	0.5	0.01	0.3	13	41	2	71
Pd07-06	73298	49	50.5	0.25	0.05	3.3	0.8	5.00E-03	0.3	12	30.7	1.4	69
Pd07-06	73299	53	54.5	0.9	0.1	1.1	1	0.01	0.2	18	24	2.6	64
Pd07-06	73302	59.5	61	0.25	0.05	0.25	0.2	5.00E-03	0.5	16	38.1	1.8	68
Pd07-06	73303	66	67.5	0.25	0.1	0.25	0.1	5.00E-03	0.3	7	40.3	2.7	68
Pd07-06	73304	72.5	74	0.25	0.05	0.25	0.1	5.00E-03	0.2	12	50.3	1.6	70
Pd07-06	73305	79	80.5	0.8	0.05	0.9	0.2	5.00E-03	0.3	9	32.3	1.2	67
Pd07-06	73306	85.5	87	1	0.05	1.5	0.05	5.00E-03	0.5	9	39.6	2.8	70
Pd07-06	73307	92	93.5	0.25	0.1	0.9	0.2	5.00E-03	0.2	8	54.5	1.4	68
Pd07-06	73308	98.5	100	0.25	0.05	0.7	0.2	5.00E-03	0.2	9	48.4	1.2	69
Pd07-06	73309	105	106.5	8.1	0.2	10.8	0.5	0.03	0.3	7	3.4	3.3	58
Pd07-06	73310	106.5	108	22.6	0.4	38	0.8	0.05	3.3	8	66.6	3.6	58
Pd07-06	73311	108	109.5	1.5	0.3	0.6	0.05	0.02	0.6	12	193.3	1.8	70
Pd07-06	73312	114.5	116	1.3	0.1	0.8	0.05	5.00E-03	0.7	34	38.2	1.6	73
Pd07-06	73313	121	122.5	0.25	0.05	0.25	0.05	5.00E-03	0.4	12	27.3	2.2	59
Pd07-06	73314	127.5	129	0.25	0.05	0.25	0.05	5.00E-03	1.1	27	34	0.8	48
Pd07-06	73315	134	135.5	0.25	0.05	0.25	0.05	5.00E-03	1.2	19	42.3	2.2	55
Pd07-06	73316	140.5	142	1.2	0.05	0.9	0.05	5.00E-03	1	36	33.7	1.8	56
Pd07-06	73317	147	148.5	0.25	0.05	0.25	0.05	5.00E-03	0.8	15	28.4	1.2	53
Pd07-06	73318	152.5	153.89	1.4	0.05	0.6	0.05	5.00E-03	0.5	44	33	2.8	57

## **APPENDIX IV**

### **PONDEROSA PROPERTY DRILL LOG DESCRIPTIONS**

**Appendix IVa – Drill Log Codes and Abbreviations**

**Appendix IVb – Drill Log Lithology**

**Appendix IVc – Drill Log Alteration**

**Appendix IVd – Drill Log Structure**

Appendix IVa - Drill Log Codes Abbreviations

Code	Description
A	Andesite flow
ABX	Andesite flow breccia
Afd	Andesite flow, feldspar phenocrysts
Afdyg	Andesite flow, feldspar phenocrysts, amygdules
AYg	Andesite flow, amygdules
CAS	Casing
iA	Andesite dyke
Vp	Volcaniclastic, lapilli
Vpt	Volcaniclastic, lapilli-ash/sand/mud
Vptx	Volcaniclastic, lapilli-ash/sand/mud-crystals
Vpx	Volcaniclastic, lapilli-crystals
X	Vein
XBX	Vein breccia

Appendix IVb - Drill Log Lithology

Drill Hole	From (m)	To (m)	Lith Code	Description / Comments
Pd07-01	3.05	31.81	Amv(qz)	Interval represents zone of core loss. Massive altered andesite. Quartz phenocrysts ~2% found between 14.33 - 18.00 m.
Pd07-01	31.81	33.27	ABX	Possible zone? Breccia of andesite; 31.81 - 32.40 m = mod silica matrix, patchy
Pd07-01	33.27	37	A	Altered andesite
Pd07-01	37	40.32	Amv	Massive andesite
Pd07-01	40.32	50.55	A	Altered andesite w trace patchy silica & carbonate/silica veins
Pd07-01	50.55	52	Ayg	Andesite w amygdules. Chlorite amygdules are aligned giving orientation of 44.
Pd07-01	52	64	Ayg	Andesite w amygdules < 5 %, becoming well rounded & < 1mm ~ 56.60 m.
Pd07-01	64	74.85	Amv(fd)	Massive andesite w feldspars
Pd07-01	74.85	80.6	Ayg(FD)	Andesite w blebby amygdules ~ 12% & feldspars.
Pd07-01	80.6	82.55	ABX	Breccia of andesite in carbonate matrix. Clasts 1-2 cm in size, angular
Pd07-01	82.55	90.93	Ayg(fd)	Andesite w feldspars + chlorite & carbonate amygdules.
Pd07-01	90.93	94.43	Afd	Andesite w feldspars. Silica matrix in small 4 cm breccia zone at 91.16 m.
Pd07-01	94.43	111.1	A	Altered andesite
Pd07-01	111.1	111.6	Vpx(fd)	Volcaniclastic; lapilli sized clasts w diffuse boundaries. Crystal matrix & feldspars present
Pd07-01	111.6	117.6	Afd	Andesite w feldspars. 115.50-117.60 m = pseudo breccia alteration
Pd07-01	117.6	124.8	Amv	Massive andesite
Pd07-01	124.8	133.2	Afd	Andesite w feldspars <b>EOH</b>
Pd07-02	3.05	29.20	Ayg	Andesite w dominantly chlorite & carbonate amygdules (5%). Localized sections w amygdules ~ 10-12%
Pd07-02	29.20	33.10	Amv, PB	Massive andesite w pseudo breccia alteration texture. Very competent rock. Moderately magnetic
Pd07-02	33.10	34.80	Ayg	Andesite w chlorite & epidote amygdules. Yg's ~5%, 10% in local sections
Pd07-02	34.80	35.82	Amv, PB	Massive andesite w pseudo breccia alteration texture.
Pd07-02	35.82	37.50	Ayg	Andesite w chlorite & epidote amygdules.
Pd07-02	37.50	41.76	Amv, PB	Massive andesite w pseudo breccia alteration. Blebby chlorite & epidote
Pd07-02	41.76	48.90	A(fd)	Andesite w feldspars
Pd07-02	48.9	50	A(fd)	Fault gouge. Andesite w pervasive carbonate & clay. Trace silica found as clasts & in carbonate veins
Pd07-02	50.00	59.60	A, PB	Andesite w pseudo breccia texture in local areas. Trace silica occurring in section as blebs/patchy
Pd07-02	59.60	67.30	A(fd)	Andesite w feldspars
Pd07-02	67.30	72.57	A	Andesite
Pd07-02	72.57	89.18	A(fd)	Andesite w feldspars; becoming more massive & less altered
Pd07-02	89.18	89.44	ABX	Breccia of andesite in carbonate cement
Pd07-02	89.44	97.34	iMmv	Mafic dyke, strongly magnetic. Epidote veins present.

Appendix IVb - Drill Log Lithology

Drill Hole	From (m)	To (m)	Lith Code	Description / Comments
Pd07-02	97.34	106.35	A(fd)	<b>Andesite w feldspars. 103.24 - 106.35 = Possible Zone; patchy silica weakly present.</b>
Pd07-02	106.35	111.05	A	Altered andesite
Pd07-02	111.05	112.90	A	Andesite fault gouge
Pd07-02	112.90	115.07	A(fd)	Andesite w feldspars. Possible zone; weak patchy silica/ silica matrix. Pyrite is associated w carbonate veins
Pd07-02	115.07	117.80	Ayg(fd)	Andesite w amygdules (chlorite & carbonate) & feldspars. Amygdules <1-2 mm.
Pd07-02	117.80	132.42	A(fd), PB	Andesite w feldspars. Localized areas throughout section w pseudo breccia alteration texture.
Pd07-02	132.42	137.24	A(fd)	Andesite w feldspars
Pd07-02	137.24	139.02	Ayg(fd)	Andesite w chlorite & carbonate amygdules + feldspars
Pd07-02	139.02	140.77	A(fd)	Andesite w feldspars. Strongly hematized, may indicate flow top?
Pd07-02	140.77	152.50	Amv	Massive andesite
Pd07-02	152.5	154	A	Fault gouge. Andesite w pervasive carbonate & clay.
Pd07-02	154.00	165.00	A(fd)	Andesite w feldspars
Pd07-02	165.00	172.30	A(fd), PB	Andesite w feldspars & pseudo breccia alteration
Pd07-02	172.30	181.97	Amv(fd)	Massive andesite w feldspars
Pd07-02	181.97	184.55	Amv	Massive andesite. Fresh rock, very competent
Pd07-02	184.55	185.52	Ayg	Andesite w carbonate & chlorite amygdules
Pd07-02	185.52	200.25	Amv	Massive andesite. Fresh rock, very competent <b>EOH</b>
Pd07-03	4.22	11.28	Amv(fd)	Rubby zone of core loss. Massive andesite w patchy silica
Pd07-03	11.28	16.30	Afd	Andesite w feldspars. Trace patchy silica & carbonate/silica veins present
Pd07-03	16.3	16.54	A	Fault gouge w pervasive clays & andesite clasts
Pd07-03	16.54	17.91	A	Andesite w silica matrix/ patchy
Pd07-03	17.91	18.85	Vp	Volcaniclastic; lapilli sized, polymictic, angular clasts in a matrix supported jig-saw fit. Silica matrix & carbonate/silica veins
Pd07-03	18.85	21	A	Fault gouge w pervasive clays. Silica clasts w disseminated pyrite & carbonate/silica veins
Pd07-03	21.00	21.75	A	Andesite w minor silica
Pd07-03	21.75	22	A	Fault gouge w pervasive clay
Pd07-03	22.00	24.14	A	Andesite w trace silica
Pd07-03	24.14	24.44	A	Fault gouge
Pd07-03	24.44	25.37	A, PB	Andesite w pseudo breccia alteration & trace silica
Pd07-03	25.37	30.15	Afd	<b>Andesite w feldspars. Trace silica matrix &amp; clasts. 29.61 - 30.15 = Zone</b>
Pd07-03	30.15	31.96	ABX	Breccia of andesite w weak silica/carbonate matrix
Pd07-03	31.96	51.90	Ayg	Andesite w carbonate/chlorite & silica amygdules
Pd07-03	51.90	52.36	A	Andesite - strong silica matrix/ patchy = Zone?
Pd07-03	52.36	55.64	Afd	Andesite w feldspars
Pd07-03	55.64	56.5	Afd	Fault gouge; pervasive clay & carbonate alt

Appendix IVb - Drill Log Lithology

Drill Hole	From (m)	To (m)	Lith Code	Description / Comments
Pd07-03	56.50	60.20	Afd	Andesite w feldspars
Pd07-03	60.2	60.8	Afd	Fault gouge; pervasive carbonate & chlorite
Pd07-03	60.80	66.41	Afd	Andesite w feldspars
Pd07-03	66.41	71.25	ABX	Breccia of andesite w weak silica found in carbonate veins
Pd07-03	71.25	72.90	Ayg	Andesite w chlorite & carbonate amygdules
Pd07-03	72.90	83.80	A, PB	Andesite w pseudo breccia alteration
Pd07-03	83.80	95.51	A(fd)mv	Massive andesite w feldspars
Pd07-03	95.51	109.65	A(fd)yg, PE	Andesite w chlorite & carbonate amygdules + Pseudo breccia alteration
Pd07-03	109.65	114.18	A	Altered andesite
Pd07-03	114.18	115.63	Vptx	Volcaniclastic; lapilli sized, polymictic, moderately sorted, matrix supported, subangular clasts; with ash/sand/ mud & crystals; clay matrix
Pd07-03	115.63	116.00	Ayg	Andesite w amygdules
Pd07-03	116.00	122.17	Vptx	Volcaniclastic; lapilli sized, polymictic, moderately sorted, matrix supported, subangular clasts; with ash/sand/mud & crystals. Clay matrix, clasts welded
Pd07-03	122.17	123.58	A(fd)mv	Andesite w feldspars
Pd07-03	123.58	130.85	Vptx	Volcaniclastic; lapilli sized, polymictic, moderately sorted, matrix supported, subangular clasts; with ash/sand/mud & crystals. Red clay matrix
Pd07-03	130.85	132.50	Afd	Andesite w feldspars
Pd07-03	132.50	133.29	Vpt	Volcaniclastic; lapilli sized - ash/sand/mud. Matrix supported, polymictic, subangular clasts.
Pd07-03	133.29	135.06	Afd	Andesite w feldspars
Pd07-03	135.06	146.93	Vpt	Volcaniclastic; lapilli sized, well sorted (top of section), matrix supported, subangular clasts w clay/hematitic matrix. Well sorted to 141.81 m.
Pd07-03	146.93	154.53	Vptx	Volcaniclastic; lapilli sized clasts, ash/sand/mud & crystals. Matrix supported, poorly sorted, angular. <b>EOH</b>
Pd07-04	6.44	10.00	A(fd)	Rubbly zone of core loss. Andesite w feldspars
Pd07-04	10.00	23.88	Amv	Massive andesite
Pd07-04	23.88	28.50	Ayg(fd)	Andesite w amygdules & feldspars
Pd07-04	28.5	29	Ayg	Fault Gouge
Pd07-04	29.00	42.30	Amv	Massive andesite (interval of core loss + remming)
Pd07-04	42.3	42.8	Amv	Fault Gouge w pervasive hematite & clay
Pd07-04	42.80	43.50	A	Altered andesite
Pd07-04	43.50	44.31	Vptx	Volcaniclastic - polymictic, poorly sorted, matrix supported w angular clasts.
Pd07-04	44.31	49.48	A(fd), PB	Andesite w feldspars & pseudo breccia alteration texture. Small carbonate/silica vein present in section + disseminated pyrite near bottom
Pd07-04	49.48	51.59	A(fd)	Andesite, Hanging wall. Zone of carbonate flooding. Cb veins in this section all have orientation of 145.



Appendix IVb - Drill Log Lithology

Drill Hole	From (m)	To (m)	Lith Code	Description / Comments
Pd07-04	51.59	52.05	Vncb/qz	VEIN ZONE: Dominately carbonate w minor silica vein. Massive carbonate vein w pink colour tinge. Clasts are dominately andesite, <5mm, rounded, diffuse boundaries, matrix supported, disseminated pyrite found at upper contact.
Pd07-04	52.05	52.37	Vncb/qz	VEIN ZONE: Dominately carbonate w moderate silica vein. Andesite clasts decreasing diffusely. Angular carbonate clasts, < 1cm, jig-saw fit, dark-grey carbonate/silica matrix
Pd07-04	52.37	52.71	Vnqz/cbBX	ZONE: Quartz/carbonate vein andesite breccia. Dominate silica matrix w secondary minor carbonate matrix. Clasts are andesite, silica/quartz, carbonate, chlorite & hematite. Zone is clast supported, subangular, <3 cm in a jig-saw fit.
Pd07-04	52.71	54.82	A	Andesite w carbonate flooding. Minor silica veins, <1mm, chaotic orientation.
Pd07-04	54.82	55.10	ABX	Breccia of andesite w moderate silica matrix, secondary carbonate.
Pd07-04	55.10	58.62	A(fd)PB	Andesite w feldspars & pseudo breccia alteration texture.
Pd07-04	58.62	71.61	A(fd)	Andesite w feldspars. Minor silica
Pd07-04	71.61	77.37	AYg	Andesite w chlorite & carbonate amygdules. Yg's > 15%
Pd07-04	77.37	80.38	Amv	Massive andesite
Pd07-04	80.38	81.06	A	Fault gouge w pervasive carbonate & clay
Pd07-04	81.06	87.33	A	Altered andesite
Pd07-04	87.33	99.72	A(fd)mv	Andesite w feldspars. Pseudo breccia alteration texture found in localized areas
Pd07-04	99.72	107.25	Ayg	Andesite w chlorite, carbonate and minor silica amygdules.
Pd07-04	107.25	122.18	Amv	Massive altered andesite
Pd07-04	122.18	123.08	A	Altered andesite
Pd07-04	123.08	125.60	Vptx	Volcaniclastic - lapilli sized, ash/sand/mud & crystals. Matrix supported, polymictic, subangular-rounded clasts that are moderately sorted in a red clay matrix
Pd07-04	125.60	128.95	Vptx	Volcaniclastic - Matrix supported, subangular-rounded w red clay matrix. 2 sections: top lapilli sized clasts, that are well sorted, at 127.70 clasts are <1cm and are poorly sorted.
Pd07-04	128.95	133.45	Vptx	Volcaniclastic w large angular clasts 4-64 mm. Polymictic, poorly sorted, jig-saw fit and matrix supported (red clay/hematite)
Pd07-04	133.45	144.60	APB	Andesite w pseudo breccia texture
Pd07-04	144.60	145.91	A(fd)	Andesite w feldspars
Pd07-04	145.91	150.48	APB	Andesite w pseudo breccia texture
Pd07-04	150.48	151.12	A	Fault gouge w red clay matrix
Pd07-04	151.12	163.68	A(fd), PB	Andesite w feldspars & pseudo breccia texture; becoming massive at bottom <b>EOH</b>
Pd07-05	4.05	19.12	APB	Andesite w pseudo breccia alteration, weak silica present as patches
Pd07-05	19.12	26.68	Amv	Massive andesite w local sections w pseudo breccia alteration
Pd07-05	26.68	27.52	Amv	Fault gouge w pervasive hematite/clay/ chlorite
Pd07-05	27.52	29.70	Amv	Fractured zone, core loss. Massive andesite
Pd07-05	29.70	32.40	A	Altered andesite, trace silica

Appendix IVb - Drill Log Lithology

Drill Hole	From (m)	To (m)	Lith Code	Description / Comments
Pd07-05	32.4	32.5	A	Fault gouge w pervasive hematite & clay
Pd07-05	32.50	35.52	A	Altered andesite w fault gouge
Pd07-05	35.52	37.85	APB	Andesite w pseudo breccia alteration
Pd07-05	37.85	39.47	A	Fault gouge. Clay minerals pervasive
Pd07-05	39.47	53.30	APB	Andesite w pseudo breccia alteration
Pd07-05	53.30	56.00	A	Altered andesite
Pd07-05	56.00	60.15	Amv	Massive andesite
Pd07-05	60.15	65.79	AYg	Andesite w chlorite & carbonate amygdules
Pd07-05	65.79	76.25	Amv	Massive andesite
Pd07-05	76.25	80.77	AYg	Andesite w chlorite & carbonate amygdules. Trace silica showing up in carbonate veins
Pd07-05	80.77	82.51	Amv	Massive andesite w trace silica
Pd07-05	82.51	84.65	A	Altered andesite w weak silica/ silica & carbonate veins
Pd07-05	84.65	94.85	Ayg	Andesite w chlorite amygdules. Patchy weak silica. Localized pseudo breccia alteration
Pd07-05	94.85	97.65	A	Altered andesite - Hanging wall
Pd07-05	97.65	98.82	A	Zone: Fault gouge w pervasive carbonate & grey clay alt. Zone = 98.73 - 98.81; rounded quartz clasts (2-3mm), chlorite clasts (1mm) in a clay/carbonate matrix w fine grained pyrite
Pd07-05	98.82	104.70	Amv	Massive andesite
Pd07-05	104.7	105.61	Amv	Fault gouge w pervasive clay alteration
Pd07-05	105.61	113.86	Amv	Massive andesite w trace silica
Pd07-05	113.86	114.72	Vptx	Volcaniclastic; lapilli sized ash/sand/mud w crystal matrix. Clast supported, polymictic, moderately sorted, subangular-rounded
Pd07-05	114.72	114.92	A	Fault gouge, pervasive clays
Pd07-05	114.92	124.30	Afd	Distinct andesite flow unit w large euhedral feldspars ~13%; 118.08 - 124.30 = 25%
Pd07-05	124.30	127.16	A(fd)rd	Andesite w rounded feldspars
Pd07-05	127.16	129.06	Vptx	Volcaniclastic; lapilli sized ash/sand/mud w crystal matrix. Clast supported, polymictic, poorly sorted, rounded-subangular.
Pd07-05	129.06	129.74	A	Fault gouge w pervasive clay alteration
Pd07-05	129.74	147.40	APB	Andesite w pseudo breccia alteration
Pd07-05	147.4	147.68	A	Fault gouge w pervasive clay alteration
Pd07-05	147.68	154.53	APB	Andesite w pseudo breccia alteration <b>EOH</b>
Pd07-06	9.51	18.50	A	Interval of core loss & remming. Altered andesite
Pd07-06	18.5	18.81	A	Fault gouge w pervasive clay alteration
Pd07-06	18.81	20.00	A	Interval of core loss: Altered andesite
Pd07-06	20	20.68	A	Fault gouge w pervasive chlorite alteration
Pd07-06	20.68	21.82	A	Interval of core loss. Altered andesite w patchy andesite
Pd07-06	21.82	22.95	A	Fault gouge w pervasive chlorite alteration

Appendix IVb - Drill Log Lithology

Drill Hole	From (m)	To (m)	Lith Code	Description / Comments
Pd07-06	22.95	24.14	ABX	Breccia of Andesite. Matrix supported. Weak silica alt.
Pd07-06	24.14	26.15	ABX	Fault gouge w pervasive chlorite alteration
Pd07-06	26.15	27.32	ABX	ZONE 1: Breccia of andesite. Clasts lapilli sized (4-64 mm) & subangular-rounded. Moderate silica matrix with secondary carbonate matrix. Rock has pink carbonate stain & contains many chaotic carbonate veins < 1mm.
Pd07-06	27.32	27.95	A	Altered andesite
Pd07-06	27.95	29.61	A	Zone 2: Andesite. Zone of silica veining. Between 28.18 - 28.41 m = 4 silica veins (1-2 cm, orientation 40). Between 29.00 - 29.12 m = Section of meandering silica veins 1-2mm.
Pd07-06	29.61	30.71	A	Fault gouge w pervasive carbonate
Pd07-06	30.71	33.05	ABX	Breccia of andesite; matrix supported, poorly sorted, lapilli sized, sub-angular to rounded clasts. Moderate silica matrix
Pd07-06	33.05	34.21	Ayg	Andesite w rounded carbonate amygdules
Pd07-06	34.21	35	A	Fault gouge w pervasive chlorite & carbonate alt
Pd07-06	35.00	37.61	AYg(rd)	Distinct amygdule rich andesite. Amygdules compose 20% of rock, are rounded, <1.5 cm, and are composed of silica, carbonate, chlorite and zeolites.
Pd07-06	37.61	38.22	Ayg	Fault gouge w pervasive chlorite & clay
Pd07-06	38.22	46.74	Ayg	Andesite w amygdules ~ 2%. Very well rounded amygdules
Pd07-06	46.74	54.82	AYg(rd)	Andesite w large rounded amygdules of chlorite, silica & carbonate in top section >10 %. Yg's begin decreasing to ~3% at 51.79 m.
Pd07-06	54.82	61.07	Amv, yg	Massive andesite w ~1-2% rounded amygdules
Pd07-06	61.07	67.20	AYg	Andesite w well rounded amygdules, 2-2.5 cm, ~12-15%
Pd07-06	67.20	74.05	Amv, yg	Massive andesite w ~1-2% rounded amygdules, <0.5 cm.
Pd07-06	74.05	88.65	AYg	Andesite w amygdules ~ 20%, up to 3 cm. Pyrite up to 15% in localized areas
Pd07-06	88.65	91.72	Amv, yg	Massive andesite w rounded amygdules up to 1.5 cm
Pd07-06	91.72	100.07	AYg	Andesite w ~ 20% amygdules. Bimodal distribution; blebby chlorite yg's ~ 0.5 cm, carbonate amygdules ~ 2 cm & are rounded
Pd07-06	100.07	103.92	Ayg	Andesite w ~ 2% rounded amygdules. < 0.5 cm
Pd07-06	103.92	106.62	Vptx	Volcaniclastic w lapilli sized clasts, ash/sand/mud & crystals. Clast supported, polymictic, poorly-sorted
Pd07-06	106.62	107.17	ABX	Possible zone? Breccia of andesite w silica matrix & clasts. Fine grained disseminated pyrite present
Pd07-06	107.17	112.90	APB	Andesite w pseudo breccia alteration
Pd07-06	112.90	115.00	AYg, PB	Andesite w rounded amygdules ~15%. ~1cm. Pseudo breccia alteration texture
Pd07-06	115.00	121.40	Ayg, Pb	Andesite w amygdules ~5% & pseudo breccia alteration
Pd07-06	121.40	154.53	Amv(fd)	Massive andesite w feldspars. Very fresh, competent rock <b>EOH</b>

Appendix IVc - Drill Log Alteration

Hole_ID	mFrom	mTo	Alt1_Code	Alt1_Int	Alt1_Style1	Alt1_Style2	Alt2_Code	Alt2_Int	Alt2_Style1	Alt2_Style2	Alt3_Code	Alt3_Int	Alt3_Style1	Alt3_Style2
Pd07-01	3.05	31.81	carbonate	1	veins	fractures	chlorite	1	blebs	clotts	hematite	1	patchy	
Pd07-01	31.81	32.4	carbonate	2	veins	fractures	hematite	2	pervasive		silica	2	matrix	patchy
Pd07-01	32.43	33.27	carbonate	2	veins	fractures	chlorite	1	blebs		hematite	1	patchy	
Pd07-01	33.27	35.23	carbonate	2	veins	fractures	chlorite	2	blebs	patchy	silica	1	patchy	veins
Pd07-01	35.23	37	carbonate	2	veins	fractures	chlorite	2	patchy		hematite	1	matrix	
Pd07-01	37	40.32	carbonate	2	veins	fractures	chlorite	2	matrix	blebs				
Pd07-01	40.32	45.84	clay	3	pervasive		chlorite	2	pervasive	blebs	carbonate	2	veins	fractures
Pd07-01	44.84	50.55	chlorite	2	pervasive	blebs	carbonate	2	veins	fractures	hematite	1	veins	
Pd07-01	50.55	52	chlorite	2	amygdules	blebs	carbonate	2	amygdules	blebs				
Pd07-01	52	56.6	chlorite	3	amygdules	blebs	carbonate	2	veins	fractures	hematite	1	fractures	
Pd07-01	56.6	64	chlorite	2	pervasive	amygdules	carbonate	2	blebs	fractures	hematite	1	patchy	
Pd07-01	64	74.85	chlorite	2	pervasive	blebs	carbonate	2	fractures	veins	hematite	1	patchy	clotts
Pd07-01	74.85	80.6	chlorite	2	amygdules	pervasive	carbonate	2	amygdules	fractures	hematite	1	patchy	
Pd07-01	80.6	82.55	chlorite	2	blebs	pervasive	hematite	2	pervasive		carbonate	2	matrix	veins
Pd07-01	82.55	87.48	chlorite	2	amygdules	blebs	carbonate	2	amygdules	veins	hematite	1	patchy	veins
Pd07-01	87.48	88.12	carbonate	2	amygdules	veins	hematite	3	pervasive		chlorite	1	blebs	
Pd07-01	88.12	88.6	clay	3	pervasive		hematite	3	pervasive		carbonate	3	veins	fractures
Pd07-01	88.6	90.93	chlorite	2	amygdules	blebs	carbonate	2	veins	fractures	hematite	1	patchy	
Pd07-01	90.93	94.43	chlorite	2	pervasive	blebs	clay	2	fractures		hematite	1	pervasive	patchy
Pd07-01	94.43	111.1	chlorite	2	pervasive	blebs	carbonate	2	veins	fractures	hematite	1	patchy	
Pd07-01	111.1	111.6	hematite	3	clasts	pervasive	chlorite	3	blebs	pervasive	carbonate	1	halos	
Pd07-01	111.6	115.5	hematite	2	pervasive	patchy	chlorite	2	pervasive	blebs	carbonate	1	veins	
Pd07-01	115.5	116.19	hematite	3	pervasive		chlorite	3	pervasive	blebs	carbonate	1	veins	fractures
Pd07-01	116.19	117.6	hematite	2	pervasive		chlorite	2	pervasive	blebs	carbonate	1	veins	fractures
Pd07-01	117.6	124.8	chlorite	1	pervasive	blebs	hematite	1	patchy	halos	carbonate	1	veins	fractures
Pd07-01	124.8	133.2	chlorite	1	blebs	pervasive	hematite	1	patchy	pervasive	carbonate	1	veins	fractures
Pd07-02	3.05	10.00	chlorite	1-2	amygdules	pervasive	carbonate	1.00	amygdules	blebs				
Pd07-02	10.00	29.20	chlorite	2	amygdules	pervasive	carbonate	1.00	amygdules	blebs	hematite	1	veins	halos
Pd07-02	29.20	33.10	chlorite	1	pervasive	clasts	hematite	1.00	Patchy		carbonate	1	veins	fractures
Pd07-02	33.10	34.80	hematite	2	pervasive	patchy	chlorite	1.00	amygdules	blebs	carbonate	1	veins	amygdules
Pd07-02	34.80	35.82	chlorite	1	pervasive	clasts	hematite	1.00	patchy		carbonate	1	veins	fractures
Pd07-02	35.82	37.50	hematite	1	pervasive	patchy	chlorite	1.00	amygdules	blebs	carbonate	1	veins	amygdules
Pd07-02	37.50	41.76	chlorite	1	blebs	patchy	hematite	1.00	Patchy		carbonate	1	veins	fractures
Pd07-02	41.76	48.90	hematite	2	patchy	pervasive	chlorite	2.00	blebs	patchy	carbonate	1	veins	fractures
Pd07-02	48.90	50.00	carbonate	3	pervasive	veins	clay	2.00	pervasive	fractures	silica	1	clasts	veins
Pd07-02	50.00	59.60	chlorite	2	pervasive	blebs	carbonate	2.00	pervasive	veins	hematite	1	patchy	halos
Pd07-02	59.60	67.30	chlorite	2	pervasive	blebs	hematite	2.00	pervasive	patchy	carbonate	2	veins	fractures
Pd07-02	67.30	68.20	hematite	3	pervasive	clasts	carbonate	2.00	veins	fractures	chlorite	1	blebs	patchy
Pd07-02	68.20	72.57	chlorite	2	blebs	pervasive	carbonate	2.00	blebs	veins	hematite	1	patchy	
Pd07-02	72.57	89.18	chlorite	2	blebs	patchy	carbonate	2.00	blebs	veins	hematite	1	patchy	
Pd07-02	89.18	89.44	carbonate	3	cement	veins	hematite	3.00	veins		chlorite	3	veins	clasts

Appendix IVc - Drill Log Alteration

Hole_ID	mFrom	mTo	Alt1_Code	Alt1_Int	Alt1_Style1	Alt1_Style2	Alt2_Code	Alt2_Int	Alt2_Style1	Alt2_Style2	Alt3_Code	Alt3_Int	Alt3_Style1	Alt3_Style2
Pd07-02	89.44	97.34	chlorite	1	patchy	blebs	hematite	1.00	Patchy	clotts	carbonate	1	veins	fractures
Pd07-02	97.34	101.08	chlorite	2	patchy	blebs	hematite	1.00	Patchy		carbonate	1	veins	fractures
Pd07-02	101.08	103.24	chlorite	2	pervasive	patchy	hematite	2.00	Patchy	veins	carbonate	1	veins	fractures
Pd07-02	103.24	106.35	chlorite	2	pervasive	patchy	hematite	2.00	pervasive	matrix	carbonate	1	veins	fractures
Pd07-02	106.35	111.05	chlorite	2	pervasive	patchy	hematite	2.00	Patchy		carbonate	1	veins	fractures
Pd07-02	111.05	112.90	chlorite	3	pervasive	clasts	carbonate	3.00	fractures	veins	hematite	3	patchy	
Pd07-02	112.90	115.07	chlorite	2	pervasive	blebs	hematite	2.00	matrix	pervasive	silica	1	matrix	patchy
Pd07-02	115.07	117.80	chlorite	2	amygdules	blebs	carbonate	2.00	amygdules	veins	hematite	2	patchy	clasts
Pd07-02	117.80	131.14	chlorite	2	blebs	pervasive	carbonate	2.00	blebs	veins	hematite	2	patchy	veins
Pd07-02	131.14	132.42	chlorite	3	clasts	blebs	hematite	3.00	clasts	pervasive	carbonate	2	veins	fractures
Pd07-02	132.42	137.24	chlorite	2	patchy	clasts	hematite	2.00	Patchy	veins	carbonate	2	veins	fractures
Pd07-02	137.24	139.02	chlorite	3	amygdules	blebs	carbonate	2.00	amygdules	patchy	hematite	1	patchy	veins
Pd07-02	139.02	140.77	hematite	3	pervasive	veins	chlorite	3.00	Patchy	blebs	carbonate	2	patchy	veins
Pd07-02	140.77	144.77	hematite	2	patchy	veins	chlorite	1.00	Patchy	veins	carbonate	1	veins	fractures
Pd07-02	144.77	152.14	chlorite	2	pervasive	blebs	hematite	1.00	veins	halos	carbonate	1	veins	fractures
Pd07-02	152.14	152.50	carbonate	3	pervasive		hematite	3.00	pervasive		chlorite	3	pervasive	
Pd07-02	152.50	154.00	carbonate	2	pervasive	veins	clay	2.00	pervasive		chlorite	2	clasts	veins
Pd07-02	154.00	165.00	chlorite	2	pervasive	blebs	hematite	2.00	Patchy	clasts	carbonate	1	veins	fractures
Pd07-02	165.00	172.30	chlorite	2	blebs	clasts	hematite	2.00	matrix	pervasive	carbonate	1	blebs	veins
Pd07-02	172.30	181.97	chlorite	1	blebs	patchy	hematite	1.00	Patchy	veins	carbonate	1	blebs	veins
Pd07-02	181.97	184.55	hematite	2	pervasive	patchy	chlorite	2.00	Patchy	blebs	carbonate	1	veins	fractures
Pd07-02	184.55	185.52	carbonate	2	amygdules	veins	chlorite	2.00	amygdules	blebs	hematite	1	patchy	veins
Pd07-02	185.52	200.25	chlorite	1	blebs	patchy	hematite	1.00	Patchy	fractures	carbonate	1	veins	fractures
Pd07-03	4.22	11.28	chlorite	1	blebs	patchy	carbonate	1	fractures		silica	1	patchy	matrix
Pd07-03	11.28	14.87	chlorite	2	blebs	pervasive	hematite	2	pervasive	patchy	carbonate	1	veins	fractures
Pd07-03	14.87	16.30	chlorite	1	patchy	blebs	carbonate	1	veins	fractures	silica	1	veins	patchy
Pd07-03	16.30	16.54	clay	3	pervasive		hematite	2	clasts	patchy	chlorite	1	clasts	patchy
Pd07-03	16.54	17.91	chlorite	2	pervasive	blebs	carbonate	1	veins	fractures	silica	1	matrix	patchy
Pd07-03	17.91	18.85	carbonate	3	matrix	clasts	silica	2	matrix	veins	hematite	1	patchy	
Pd07-03	18.85	21.00	clay	3	pervasive		chlorite	3	pervasive	clasts	carbonate	2	pervasive	veins
Pd07-03	21.00	21.75	hematite	3	pervasive		silica	1	patchy	matrix	carbonate	1	clasts	veins
Pd07-03	21.75	22.00	clay	3	pervasive		chlorite	3	pervasive	blebs	hematite	1	patchy	
Pd07-03	22.00	24.14	hematite	3	pervasive	patchy	chlorite	2	patchy		carbonate	1	veins	clasts
Pd07-03	24.14	24.44	clay	3	pervasive		chlorite	3	pervasive		hematite	3	pervasive	
Pd07-03	24.44	25.37	chlorite	3	patchy	blebs	hematite	2	matrix	patchy	carbonate	1	veins	fractures
Pd07-03	25.37	29.61	chlorite	2	patchy	blebs	carbonate	2	veins	fractures	silica	1	matrix	clasts
Pd07-03	29.61	30.15	silica	3	matrix	clasts	carbonate	2	veins	fractures	hematite	1	patchy	veins
Pd07-03	30.15	31.96	carbonate	2	clasts	vein	hematite	2	clasts	patchy	chlorite	2	blebs	patchy
Pd07-03	31.96	51.90	carbonate	2	amygdules	pervasive	chlorite	2	amygdules	blebs	hematite	1	patchy	
Pd07-03	51.90	52.36	silica	3	matrix	patchy	hematite	1	clasts	patchy	chlorite	1	patchy	
Pd07-03	52.36	55.64	chlorite	2	patchy	blebs	hematite	2	patchy		carbonate	2	veins	fractures

Appendix IVc - Drill Log Alteration

Hole_ID	mFrom	mTo	Alt1_Code	Alt1_Int	Alt1_Style1	Alt1_Style2	Alt2_Code	Alt2_Int	Alt2_Style1	Alt2_Style2	Alt3_Code	Alt3_Int	Alt3_Style1	Alt3_Style2
Pd07-03	55.64	56.50	clay	3	pervasive		carbonate	3	veins	fractures	chlorite	3	pervasive	
Pd07-03	56.50	60.20	chlorite	2	patchy	blebs	hematite	2	patchy		carbonate	2	veins	fractures
Pd07-03	60.20	60.80	carbonate	3	pervasive	fractures	chlorite	3	pervasive		carbonate	2	veins	fractures
Pd07-03	60.80	66.41	chlorite	2	patchy	blebs	hematite	2	patchy		carbonate	2	veins	fractures
Pd07-03	66.41	70.64	chlorite	2	clasts	blebs	hematite	2	patchy	matrix	carbonate	2	veins	pervasive
Pd07-03	70.64	71.25	chlorite	2	clasts	blebs	carbonate	2	blebs	veins	hematite	2	patchy	
Pd07-03	71.25	72.90	chlorite	2	amygdules	blebs	carbonate	2	amygdules	blebs	hematite	1	veins	halos
Pd07-03	72.90	83.80	chlorite	2	blebs	clasts	hematite	2	patchy	matrix	carbonate	2	veins	fractures
Pd07-03	83.80	93.90	carbonate	2	veins	fractures	chlorite	1	blebs	patchy	hematite	1	patchy	
Pd07-03	93.90	95.51	clay	3	pervasive		chlorite	2	veins	pervasive	carbonate	2	pervasive	
Pd07-03	95.51	109.65	chlorite	2	pervasive	blebs	carbonate	2	amygdules	blebs	hematite	1	patchy	
Pd07-03	109.65	111.90	hematite	3	pervasive	patchy	chlorite	2	patchy		carbonate	1	patchy	
Pd07-03	111.90	114.18	hematite	2	pervasive	patchy	chlorite	1	patchy	pervasive	carbonate	1	veins	fractures
Pd07-03	114.18	115.63	chlorite	2	clasts	pervasive	carbonate	2	pervasive	veins	clay	2	matrix	pervasive
Pd07-03	115.63	116.00	carbonate	3	amygdules	blebs	chlorite	3	blebs	pervasive				
Pd07-03	116.00	118.63	chlorite	2	clasts	blebs	hematite	1	patchy		carbonate	1	veins	fractures
Pd07-03	118.63	119.94	clay	3	matrix	pervasive	hematite	2	pervasive	patchy	carbonate	1	veins	fractures
Pd07-03	119.94	122.17	hematite	3	pervasive	patchy	clay	2	pervasive	fractures	carbonate	1	veins	fractures
Pd07-03	122.17	123.58	chlorite	2	blebs	fractures	carbonate	1	blebs	fractures	hematite	1	patchy	
Pd07-03	123.58	129.68	hematite	3	pervasive	matrix	clay	2	matrix	pervasive	chlorite	2	clasts	blebs
Pd07-03	129.68	130.85	chlorite	3	pervasive	matrix	clay	2	pervasive	matrix	carbonate	1	veins	fractures
Pd07-03	130.85	132.50	chlorite	2	pervasive	blebs	carbonate	2	veins	fractures				
Pd07-03	132.50	133.29	hematite	3	pervasive	patchy	chlorite	2	clasts	veins	clay	1	pervasive	
Pd07-03	133.29	135.06	chlorite	2	blebs	patchy	carbonate	2	blebs	patchy	hematite	1	patchy	
Pd07-03	135.06	139.10	hematite	3	pervasive	matrix	chlorite	2	clasts	veins	carbonate	1	veins	fractures
Pd07-03	139.10	141.81	hematite	3	pervasive	matrix	clay	3	matrix	pervasive	chlorite	3	pervasive	blebs
Pd07-03	141.81	146.93	chlorite	3	pervasive	vein	clay	2	pervasive	matrix	carbonate	1	veins	fractures
Pd07-03	146.93	154.53	chlorite	2	pervasive	patchy	carbonate	1	blebs	fractures	hematite	1	pervasive	patchy
Pd07-04	6.44	10.00	chlorite	2	blebs	pervasive	carbonate	2	pervasive	veins	hematite	1	patchy	
Pd07-04	10.00	13.50	carbonate	2	pervasive	vein	chlorite	2	fracture	patchy	hematite	1	patchy	vein
Pd07-04	13.50	14.00	clay	3	pervasive		carbonate	3	pervasive		chlorite	3	pervasive	
Pd07-04	14.00	23.88	carbonate	2	veins	fractures	chlorite	2	fracture	patchy	hematite	2	patchy	vein
Pd07-04	23.88	28.50	chlorite	2	amygdules	blebs	carbonate	2	amygdules	blebs	hematite	1	patchy	
Pd07-04	28.50	29.00	clay	3	pervasive		chlorite	3	pervasive					
Pd07-04	29.00	39.55	hematite	2	patchy	vein	carbonate	2	veins	fractures	chlorite	2	patchy	blebs
Pd07-04	39.55	40.10	chlorite	3	pervasive	blebs	carbonate	3	pervasive					
Pd07-04	40.10	40.75	hematite	3	pervasive		clay	3	pervasive					
Pd07-04	40.75	42.30	carbonate	2	veins	fractures	chlorite	2	blebs	patchy	hematite	1	patchy	
Pd07-04	42.30	42.80	hematite	3	pervasive		clay	3	pervasive					
Pd07-04	42.80	43.50	chlorite	2	blebs	patchy	hematite	2	patchy	fractures	carbonate	1	fractures	veins
Pd07-04	43.50	44.31	hematite	3	pervasive		clay	3	pervasive	matrix	chlorite	1	clasts	patchy

Appendix IVc - Drill Log Alteration

Hole_ID	mFrom	mTo	Alt1_Code	Alt1_Int	Alt1_Style1	Alt1_Style2	Alt2_Code	Alt2_Int	Alt2_Style1	Alt2_Style2	Alt3_Code	Alt3_Int	Alt3_Style1	Alt3_Style2
Pd07-04	44.31	47.77	chlorite	2	clasts	patchy	hematite	2	pervasive	patchy	carbonate	2	blebs	veins
Pd07-04	47.77	48.37	chlorite	2	blebs	patchy	carbonate	2	blebs	veins	hematite	1	patchy	
Pd07-04	48.37	49.48	chlorite	2	clasts	blebs	hematite	2	pervasive	matrix	carbonate	2	veins	blebs
Pd07-04	49.48	51.59	carbonate	3	blebs	vein	chlorite	2	blebs	patchy	hematite	2	patchy	
Pd07-04	51.59	52.05	carbonate	3	vein	pervasive	silica	1.5	matrix	pervasive				
Pd07-04	52.05	52.37	carbonate	3	vein	pervasive	silica	2	matrix	pervasive				
Pd07-04	52.37	52.71	silica	3	matrix	clasts	carbonate	1	matrix	clasts	chlorite	1	clasts	
Pd07-04	52.71	54.82	carbonate	3	veins	fractures	chlorite	2	blebs	patchy	silica	1	veins	patchy
Pd07-04	54.82	55.10	silica	2	matrix	clasts	carbonate	2	matrix	clasts	carbonate	1	veins	fractures
Pd07-04	55.10	58.62	carbonate	2	veins	fractures	hematite	2	patchy	pervasive	chlorite	2	clasts	blebs
Pd07-04	58.62	71.61	chlorite	2	blebs	pervasive	carbonate	2	blebs	patchy	hematite	1	patchy	
Pd07-04	71.61	77.37	chlorite	2	amygdules	blebs	carbonate	2	amygdules	blebs				
Pd07-04	77.37	79.70	chlorite	2	patchy	pervasive	hematite	1	patchy	halos	carbonate	1	veins	fractures
Pd07-04	79.70	80.38	hematite	1	pervasive	patchy	chlorite	1	blebs	patchy	carbonate	1	blebs	patchy
Pd07-04	80.38	81.06	carbonate	3	pervasive	vein	clay	3	pervasive		chlorite	1	patchy	
Pd07-04	81.06	87.33	chlorite	1	blebs	patchy	carbonate	1	veins	fractures	hematite	1	patchy	halos
Pd07-04	87.33	99.72	chlorite	1	blebs	patchy	carbonate	1	blebs	veins	hematite	1	patchy	veins
Pd07-04	99.72	107.25	chlorite	2	amygdules	blebs	carbonate	1	amygdules	blebs	silica	1	amygdules	blebs
Pd07-04	107.25	108.92	hematite	3	pervasive	patchy	chlorite	1	patchy		carbonate	1	veins	fractures
Pd07-04	108.92	113.95	carbonate	2	veins	fractures	chlorite	1	blebs	patchy	hematite	1	patchy	fractures
Pd07-04	113.95	115.25	chlorite	1	blebs	patchy	hematite	2	patchy		carbonate	1	veins	
Pd07-04	115.25	116.71	chlorite	2	blebs	patchy	carbonate	2	veins	fractures	hematite	2	veins	patchy
Pd07-04	116.71	122.18	chlorite	2	blebs	patchy	carbonate	2	fracture	veins	hematite	2	patchy	
Pd07-04	122.18	123.08	carbonate	3	pervasive	fractures	chlorite	3	pervasive		hematite	2	patchy	
Pd07-04	123.08	125.60	hematite	3	pervasive	clasts	clay	3	pervasive	matrix	chlorite	2	clasts	blebs
Pd07-04	125.60	127.70	chlorite	3	pervasive	clasts	hematite	1	clasts	patchy	carbonate	2	veins	fractures
Pd07-04	127.70	128.95	hematite	3	pervasive	clasts	clay	3	pervasive	matrix	carbonate	2	veins	
Pd07-04	128.95	133.45	chlorite	2	blebs	patchy	hematite	2	pervasive	patchy	carbonate	2	veins	fractures
Pd07-04	133.45	139.91	chlorite	2	blebs	patchy	carbonate	1	blebs	veins	hematite	2	patchy	fractures
Pd07-04	139.91	144.60	chlorite	2	clasts	blebs	hematite	2	matrix	patchy	carbonate	2	blebs	veins
Pd07-04	144.60	145.91	chlorite	2	blebs	patchy	carbonate	2	blebs	veins	hematite	2	patchy	
Pd07-04	145.91	150.48	chlorite	2	clasts	blebs	hematite	2	matrix	patchy	carbonate	2	blebs	veins
Pd07-04	150.48	151.12	hematite	3	pervasive	matrix	clay	3	pervasive	matrix				
Pd07-04	151.12	163.68	hematite	2	patchy	clasts	chlorite	2	blebs	clasts	carbonate	1	blebs	patchy
Pd07-05	4.05	19.12	hematite	2	patchy	pervasive	chlorite	2	blebs	clotts	carbonate	1	veins	fractures
Pd07-05	19.12	26.68	chlorite	2	blebs	patchy	carbonate	2	fractures	veins	clay	1	patchy	
Pd07-05	26.68	27.52	hematite	3	pervasive	matrix	clay	3	pervasive	matrix	chlorite	1	pervasive	
Pd07-05	27.52	29.70	chlorite	2	blebs	patchy	carbonate	2	fractures	veins	clay	1	fracture	
Pd07-05	29.70	32.40	chlorite	2	patchy	blebs	carbonate	2	fractures	veins	clay	1	fracture	
Pd07-05	32.40	32.50	hematite	3	pervasive	matrix	clay	3	pervasive	matrix				
Pd07-05	32.50	34.82	chlorite	2	pervasive	patchy	carbonate	2	fractures	veins	hematite	2	pervasive	patchy

Appendix IVc - Drill Log Alteration

Hole_ID	mFrom	mTo	Alt1_Code	Alt1_Int	Alt1_Style1	Alt1_Style2	Alt2_Code	Alt2_Int	Alt2_Style1	Alt2_Style2	Alt3_Code	Alt3_Int	Alt3_Style1	Alt3_Style2
Pd07-05	34.82	35.52	carbonate	3	pervasive		hematite	3	pervasive		chlorite	3	pervasive	
Pd07-05	35.52	37.85	chlorite	2	blebs	clotts	hematite	2	pervasive	patchy	carbonate	2	veins	fractures
Pd07-05	37.85	38.56	carbonate	3	pervasive	fractures	chlorite	3	pervasive	veins	hematite	1	patchy	
Pd07-05	38.56	39.47	chlorite	3	pervasive	patchy	clay	3	pervasive		hematite	1	patchy	
Pd07-05	39.47	44.81	chlorite	2	clasts	blebs	hematite	2	matrix	pervasive	carbonate	2	blebs	veins
Pd07-05	44.81	53.30	chlorite	2	clasts	blebs	hematite	2	matrix	pervasive	carbonate	2	blebs	veins
Pd07-05	53.30	60.15	chlorite	2	patchy	blebs	carbonate	2	veins	fractures	hematite	1	patchy	
Pd07-05	60.15	65.79	chlorite	2	amygdules	blebs	carbonate	2	amygdules	blebs	hematite	1	patchy	
Pd07-05	65.79	68.35	carbonate	2	veins	fractures	chlorite	2	clotts	patchy	hematite	1	patchy	pervasive
Pd07-05	68.35	76.25	carbonate	2	veins	fractures	chlorite	2	blebs	clotts	hematite	2	patchy	pervasive
Pd07-05	76.25	80.77	chlorite	2	amygdules	blebs	carbonate	2	amygdules	blebs	hematite	2	patchy	
Pd07-05	80.77	82.51	chlorite	3	pervasive	patchy	carbonate	2	veins	fractures	hematite	1	clotts	
Pd07-05	82.51	84.65	chlorite	3	patchy	blebs	carbonate	3	veins	fractures	hematite	2	veins	patchy
Pd07-05	84.65	91.00	chlorite	2	blebs	amygdules	hematite	2	patchy	clotts	carbonate	2	veins	fractures
Pd07-05	91.00	94.85	chlorite	2	blebs	amygdules	hematite	2	patchy	clotts	carbonate	2	veins	fractures
Pd07-05	94.85	96.48	carbonate	2	fractures	veins	chlorite	2	veins	fractures	hematite	2	clotts	patchy
Pd07-05	96.48	97.65	chlorite	2	patchy	blebs	carbonate	2	veins	fractures	hematite	1	patchy	
Pd07-05	97.65	104.70	carbonate	2	veins	fractures	hematite	2	veins	halos	chlorite	2	veins	fractures
Pd07-05	104.70	105.61	clay	3	pervasive		hematite	3	pervasive		chlorite	3	pervasive	
Pd07-05	105.61	110.31	hematite	2	veins	fractures	carbonate	2	veins	fractures	chlorite	2	fracture	veins
Pd07-05	110.31	113.86	hematite	2	veins	patchy	carbonate	2	fractures	veins	chlorite	2	fracture	veins
Pd07-05	113.86	114.72	chlorite	2	clasts	blebs	hematite	2	clasts	patchy	carbonate	2	veins	fractures
Pd07-05	114.72	114.92	clay	3	pervasive		chlorite	3	pervasive		carbonate	3	pervasive	
Pd07-05	114.92	118.08	chlorite	2	clasts	blebs	carbonate	2	blebs	veins	hematite	1	patchy	
Pd07-05	118.08	124.30	chlorite	2	blebs	clasts	carbonate	2	blebs	veins				
Pd07-05	124.30	127.16	chlorite	2	blebs	clotts	carbonate	1	fractures	blebs				
Pd07-05	127.16	129.06	chlorite	2	pervasive	clasts	clay	2	pervasive	fractures	hematite	1	clasts	patchy
Pd07-05	129.06	129.74	clay	3	pervasive		hematite	3	pervasive		chlorite	3	pervasive	
Pd07-05	129.74	143.19	chlorite	2	clasts	blebs	carbonate	2	veins	fractures	hematite	2	patchy	
Pd07-05	143.19	147.40	chlorite	2	clasts	blebs	carbonate	2	veins	fractures	hematite	2	patchy	silica
Pd07-05	147.40	147.68	clay	3	pervasive		chlorite	3	pervasive		carbonate	3	pervasive	
Pd07-05	147.68	154.53	chlorite	2	clasts	blebs	hematite	2	matrix	patchy	carbonate	2	fracture	veins
Pd07-06	9.51	18.50	chlorite	2	clotts	blebs	carbonate	1	veins	fractures	hematite	1	fractures	patchy
Pd07-06	18.50	18.81	clay	3	pervasive		chlorite	3	pervasive		carbonate	2	patchy	
Pd07-06	18.81	20.00	chlorite	3	clotts	blebs	carbonate	2	veins	fractures	hematite	2	fractures	patchy
Pd07-06	20.00	20.68	chlorite	3	pervasive		clay	3	pervasive		hematite	3	pervasive	
Pd07-06	20.68	21.82	chlorite	3	clotts	blebs	carbonate	1	veins	fractures	clay	1	fractures	
Pd07-06	21.82	22.95	chlorite	3	pervasive		carbonate	3	pervasive		clay	3	pervasive	
Pd07-06	22.95	24.14	chlorite	2	matrix	clasts	hematite	2	pervasive		silica	1	matrix	
Pd07-06	24.14	26.15	chlorite	3	pervasive		clay	3	pervasive		carbonate	3	pervasive	
Pd07-06	26.15	27.32	silica	2	matrix		carbonate	2	matrix		chlorite	2	clasts	blebs



Appendix IVc - Drill Log Alteration

Hole_ID	mFrom	mTo	Alt1_Code	Alt1_Int	Alt1_Style1	Alt1_Style2	Alt2_Code	Alt2_Int	Alt2_Style1	Alt2_Style2	Alt3_Code	Alt3_Int	Alt3_Style1	Alt3_Style2
Pd07-06	27.32	27.95	chlorite	3	pervasive	blebs	carbonate	1	blebs	veins				
Pd07-06	27.95	29.61	carbonate	2	patchy	fractures	silica	2	veins	matrix	chlorite	1	patchy	blebs
Pd07-06	29.61	30.71	carbonate	3	pervasive		chlorite	3	pervasive		clay	3	pervasive	
Pd07-06	30.71	33.05	chlorite	2	clasts	blebs	silica	2	matrix	patchy	hematite	2	matrix	
Pd07-06	33.05	34.21	carbonate	2	amygdules	patchy	chlorite	2	patchy	clotts	hematite	1	veins	
Pd07-06	34.21	35.00	chlorite	3	pervasive		clay	3	pervasive		carbonate	3	pervasive	
Pd07-06	35.00	37.61	silica	2	amygdules		chlorite	2	amygdules	blebs	carbonate	2	amygdules	veins
Pd07-06	37.61	38.22	chlorite	3	pervasive		clay	3	pervasive		carbonate	3	pervasive	
Pd07-06	38.22	46.74	carbonate	2	veins	fractures	hematite	2	veins	halos	silica	1	amygdules	
Pd07-06	46.74	51.79	chlorite	2	amygdules	blebs	silica	1	amygdules		carbonate	1	amygdules	veins
Pd07-06	51.79	54.82	chlorite	2	amygdules	blebs	silica	2	amygdules	patchy	hematite	2	veins	patchy
Pd07-06	54.82	61.07	chlorite	1	amygdules	blebs	silica	1	amygdules		carbonate	1	amygdules	veins
Pd07-06	61.07	67.20	carbonate	2	amygdules	veins	chlorite	2	amygdules	blebs	silica	1	amygdules	
Pd07-06	67.20	74.05	chlorite	1	blebs	veins	carbonate	1	veins	fractures	hematite	1	patchy	veins
Pd07-06	74.05	88.65	carbonate	2	amygdules	veins	chlorite	2	amygdules	blebs	silica	1	amygdules	
Pd07-06	88.65	91.72	carbonate	1	amygdules	veins	chlorite	1	amygdules	blebs				
Pd07-06	91.72	100.07	chlorite	2	amygdules	blebs	carbonate	2	amygdules	veins				
Pd07-06	100.07	103.92	carbonate	2	veins	fractures	chlorite	2	veins	fractures	hematite	1	patchy	blebs
Pd07-06	103.92	106.62	chlorite	2	clasts	blebs	hematite	2	matrix	pervasive	carbonate	2	veins	fractures
Pd07-06	106.62	107.17	silica	3	matrix	clasts	hematite	2	pervasive	patchy	carbonate	1	veins	fractures
Pd07-06	107.17	112.90	carbonate	2	veins	fractures	chlorite	2	fractures	veins	hematite	1	patchy	
Pd07-06	112.90	115.00	carbonate	2	amygdules	blebs	chlorite	2	amygdules	blebs	hematite	1	patchy	
Pd07-06	115.00	121.40	carbonate	2	amygdules	veins	chlorite	2	amygdules	blebs	hematite	1	patchy	
Pd07-06	121.40	154.53	chlorite	1	blebs	clotts	carbonate	1	veins	fractures				

Appendix IVd: Drill Log Structure

Hole_ID	mFrom	mTo	Structure_Type	LCA	Comments
Pd07-01	31.81	31.82	Vn	86	carbonate/silica vein
Pd07-01	34.8	34.81	Vn	70	carbonate vein w disseminated pyrite
Pd07-01	35	35.02	Vn	39	carbonate vein
Pd07-01	50.55	52	Orientation	44	Alignment of stretched chlorite amygdules
Pd07-01	83.54	83.64	Vn	126	carbonate vein 20 cm
Pd07-01	88.55	88.56	Vn	138	carbonate vein
Pd07-01	99.67	99.68	Vn	145	carbonate vein
Pd07-01	127.5	127.6	Vn	90	carbonate vein
Pd07-02	48.90	50.00	FG		Fault gouge. Andesite w pervasive carbonate & clay. Trace silica found as clasts & in carbonate veins
Pd07-02	121.50	121.93	VN	74	Carbonate vein
Pd07-02	152.50	154.00	FG		Fault gouge. Andesite w pervasive carbonate & clay.
Pd07-03	13.58	13.62	Vn	10	Carbonate / silica vein
Pd07-03	14.55	14.60	Vn	45	Carbonate / silica vein
Pd07-03	16.05	16.09	Vn	58	Carbonate / silica vein
Pd07-03	16.30	16.54	FG		Fault gouge w pervasive clays & andesite clasts
Pd07-03	18.85	21.00	FG		Fault gouge w pervasive clays. Silica clasts w disseminated pyrite & carbonate/silica veins
Pd07-03	21.75	22.00	FG		Fault gouge w pervasive clay
Pd07-03	22.00	22.03	Vn	134	Carbonate / silica vein
Pd07-03	23.60	23.64	Vn	105	Carbonate / silica vein
Pd07-03	24.14	24.44	FG		Fault gouge
Pd07-03	25.34	25.36	Vn	48	Silica / carbonate / hematite vein
Pd07-03	26.50	26.51	Vn	98	Quartz vein
Pd07-03	28.01	28.03	Vn	28	Carbonate vein
Pd07-03	43.15	43.16	Vn	125	Carbonate / hematite / silica vein
Pd07-03	55.64	56.50	FG		Fault gouge; pervasive clay & carbonate alt
Pd07-03	60.20	60.80	FG		Fault gouge; pervasive carbonate & chlorite
Pd07-03	66.41	66.44	Vn	70	Carbonate / silica vein
Pd07-03	68.03	68.05	Vn	100	Silica vein (1.5 cm)
Pd07-03	81.53	81.54	Vn	24	Carbonate vein
Pd07-03	84.87	84.89	Vn	132	Carbonate vein
Pd07-03	86.00	86.02	Vn	142	Carbonate vein
Pd07-03	101.92	101.94	Vn	135	Carbonate vein
Pd07-04	9.65	10.000	VN	90	Large carbonate vein
Pd07-04	22.40	22.420	VN	146	Carbonate vein

Appendix IVd: Drill Log Structure

Hole_ID	mFrom	mTo	Structure_Type	LCA	Comments
Pd07-04	28.50	29.00	FG		Fault Gouge
Pd07-04	42.30	42.80	FG		Fault Gouge w pervasive hematite & clay
Pd07-04	46.30	46.310	VN	31	Carbonate / silica vein
Pd07-04	47.77	47.775	VN	30	Carbonate vein
Pd07-04	49.48	49.485	CON	30	Contact of above siliceous interval w carbonate below
Pd07-04	51.00	51.010	VN	145	Carbonate vein
Pd07-04	51.59	51.590	CON	27	Upper contact (andesite/carbonate vein)
Pd07-04	52.37	52.370	CON	52	Mid contact (carbonate vein/siliceous breccia)
Pd07-04	52.71	52.710	CON	26	Lower contact (siliceous breccia/andesite)
Pd07-04	55.10	55.107	VN	38	Carbonate/silica vein
Pd07-04	58.36	58.365	VN	26	Carbonate/silica vein
Pd07-04	80.38	81.06	FG		Fault gouge w pervasive carbonate & clay
Pd07-04	106.75	106.752	VN	125	Carbonate vein
Pd07-04	112.50	112.510	VN	153	Carbonate vein
Pd07-04	120.91	121.060	VN	45	Large carbonate vein with breccia of andesite
Pd07-04	125.60	127.700	BD	48	Clast orientation in volcanoclastic
Pd07-04	150.48	151.12	FG		Fault gouge w red clay matrix
Pd07-05	25.55	25.56	VN	155	Carbonate vein
Pd07-05	26.68	27.52	FG		Fault gouge w pervasive hematite/clay/ chlorite
Pd07-05	32.40	32.50	FG		Fault gouge w pervasive hematite & clay
Pd07-05	37.85	39.47	FG		Fault gouge. Clay minerals pervasive
Pd07-05	60.51	60.52	VN	28	Carbonate vein
Pd07-05	97.65	98.82	FG		Zone: Fault gouge w pervasive carbonate & grey clay alt. Zone = 98.73 - 98.81; rounded quartz clasts (2-3mm), chlorite clasts (1mm) in a clay/carbonate matrix w fine grained pyrite
Pd07-05	104.70	105.61	FG		Fault gouge w pervasive clay alteration
Pd07-05	114.72	114.92	FG		Fault gouge, pervasive clays
Pd07-05	129.06	129.74	FG		Fault gouge w pervasive clay alteration
Pd07-05	138.41	138.44	VN	24	Carbonate vein
Pd07-05	147.40	147.68	FG		Fault gouge w pervasive clay alteration
Pd07-06	18.50	18.81	FG		Fault gouge w pervasive clay alteration
Pd07-06	20.00	20.68	FG		Fault gouge w pervasive chlorite alteration
Pd07-06	21.82	22.95	FG		Fault gouge w pervasive chlorite alteration
Pd07-06	24.14	26.15	FG		Fault gouge w pervasive chlorite alteration
Pd07-06	28.18	28.24	Vn	40	Massive silica veins w euhedral pyrite along margins
Pd07-06	29.61	29.61	Contact	14	Andesite contact w fault gouge

Appendix IVd: Drill Log Structure

Hole_ID	mFrom	mTo	Structure_Type	LCA	Comments
Pd07-06	29.61	30.71	FG		Fault gouge w pervasive carbonate
Pd07-06	30.71	30.71	Contact	22	Fault gouge contact w andesite
Pd07-06	34.21	35.00	FG		Fault gouge w pervasive chlorite & carbonate alt
Pd07-06	37.61	38.22	FG		Fault gouge w pervasive chlorite & clay

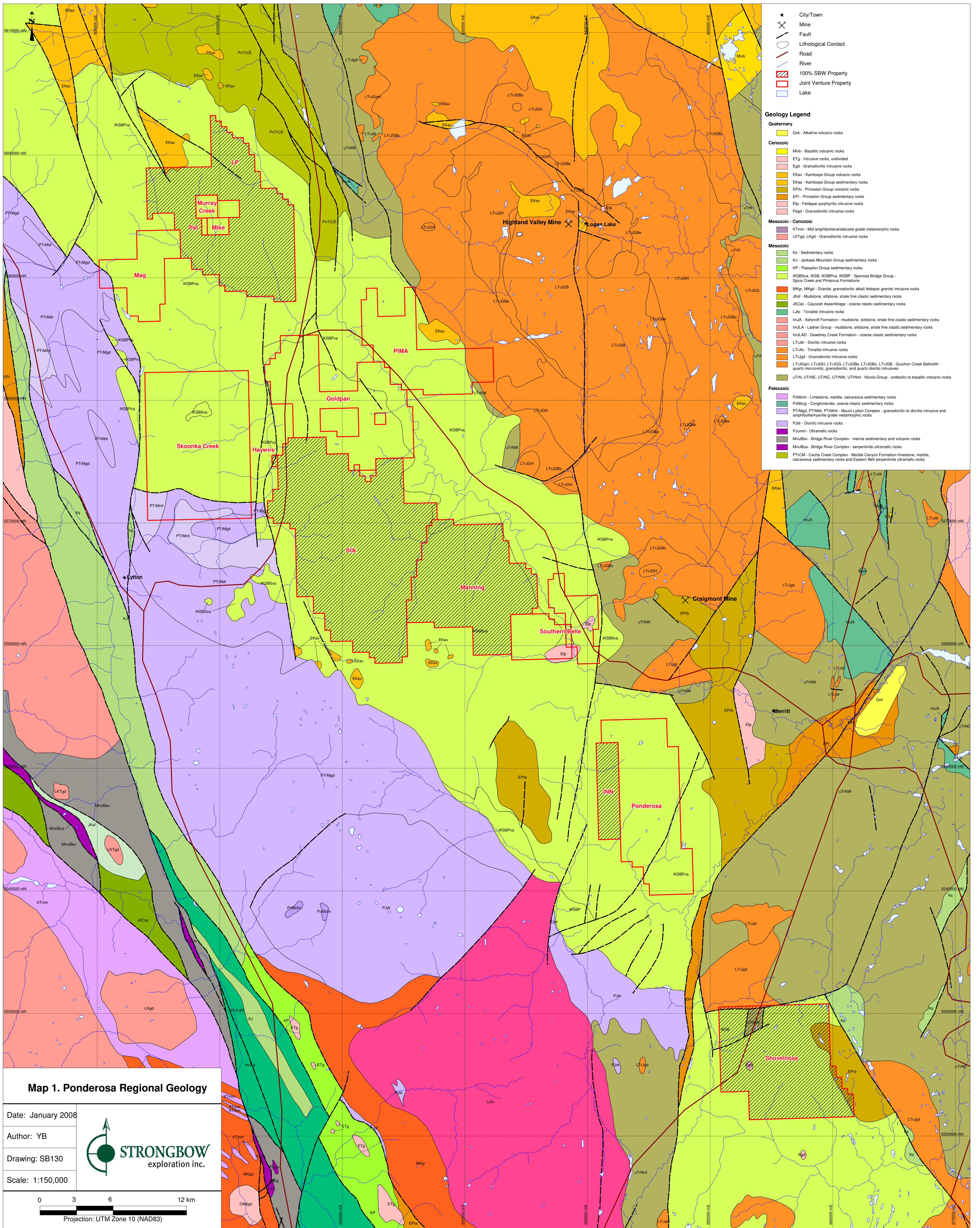
## **APPENDIX V**

**Strongbow Exploration Inc.**  
**Ground Geophysics Raw Data Files**  
**Axel Ridge Grid**  
Ponderosa Property  
Merritt Area, B.C.

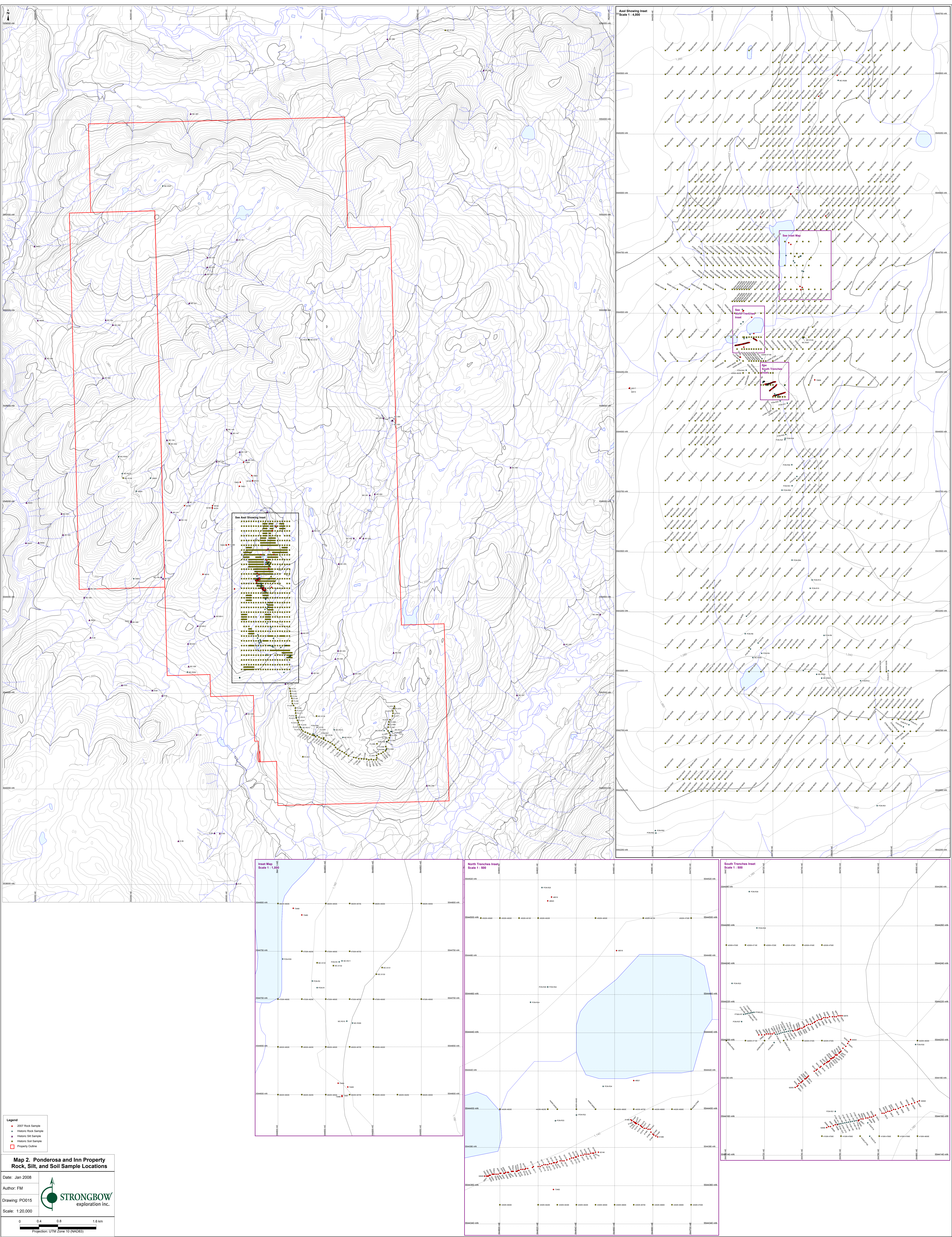
August, 2007

*(See CD-R for data)*









**Legend**

- 2007 Rock Sample
- Historic Rock Sample
- Historic Silt Sample
- Historic Soil Sample
- Property Outline

**Map 2. Ponderosa and Inn Property  
Rock, Silt, and Soil Sample Locations**

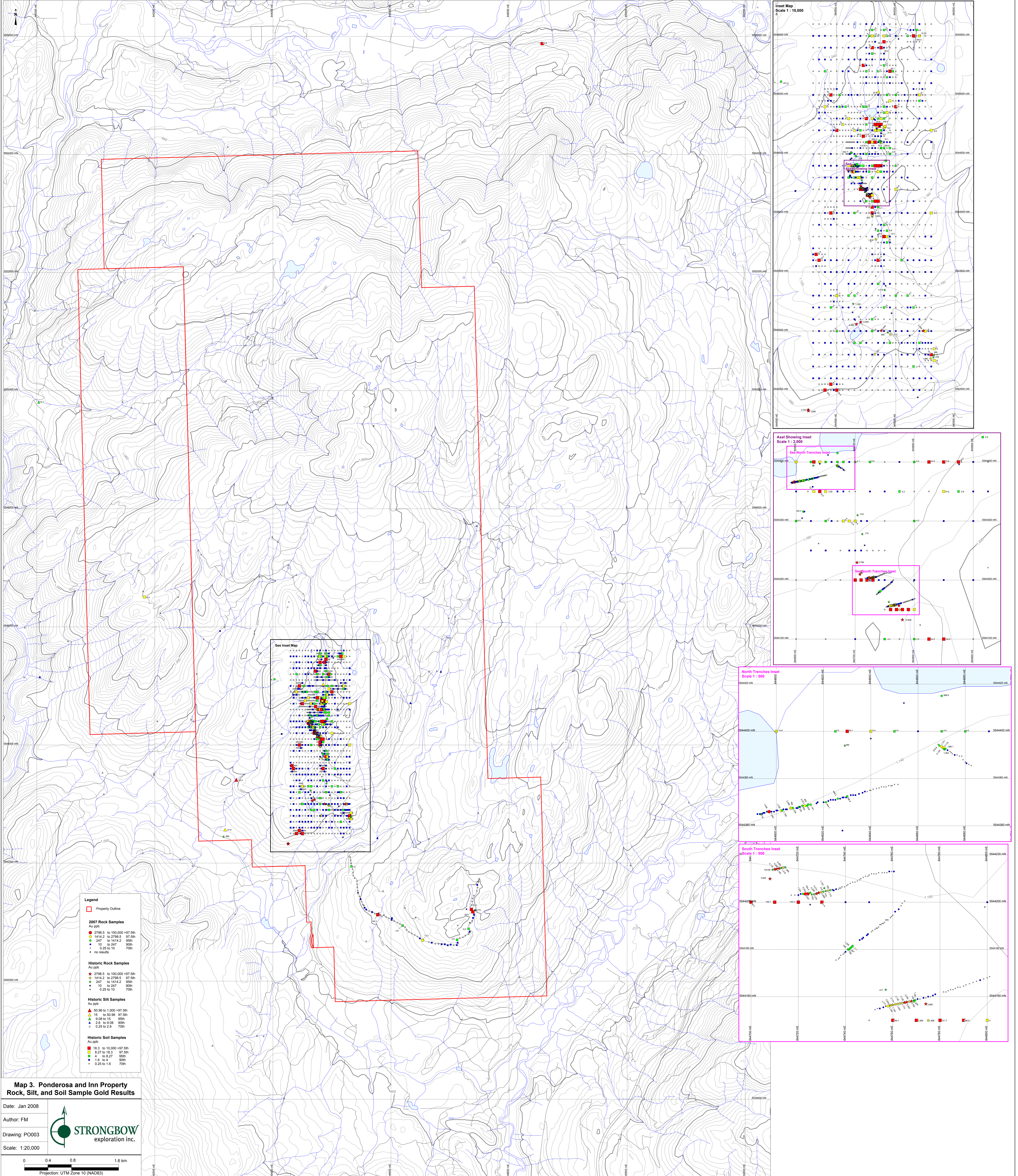
Date: Jan 2008  
 Author: FM  
 Drawing: P0015

**STRONGBOW**  
 exploration inc.

Scale: 1:20,000

0 0.4 0.8 1.6 km  
 Projection: UTM Zone 10 (NAD83)





- Legend**
- Property Outline
  - 2007 Rock Samples**  
Au ppb
    - 2798.5 to 100,000 >97.5th
    - 1414.2 to 2798.5 97.5th
    - 247 to 1414.2 95th
    - 10 to 247 90th
    - 0.25 to 10 70th
    - no results  - Historic Rock Samples**  
Au ppb
    - ★ 2798.5 to 100,000 >97.5th
    - ★ 1414.2 to 2798.5 97.5th
    - ★ 247 to 1414.2 95th
    - ★ 10 to 247 90th
    - ★ 0.25 to 10 70th  - Historic Silt Samples**  
Au ppb
    - ▲ 50.08 to 1,000 >97.5th
    - ▲ 15 to 50.08 97.5th
    - ▲ 9.08 to 15 95th
    - ▲ 2.5 to 9.08 90th
    - ▲ 0.25 to 2.5 70th  - Historic Soil Samples**  
Au ppb
    - 18.3 to 10,000 >97.5th
    - 8.27 to 18.3 97.5th
    - 4 to 8.27 95th
    - 1.6 to 4 90th
    - 0.25 to 1.6 70th

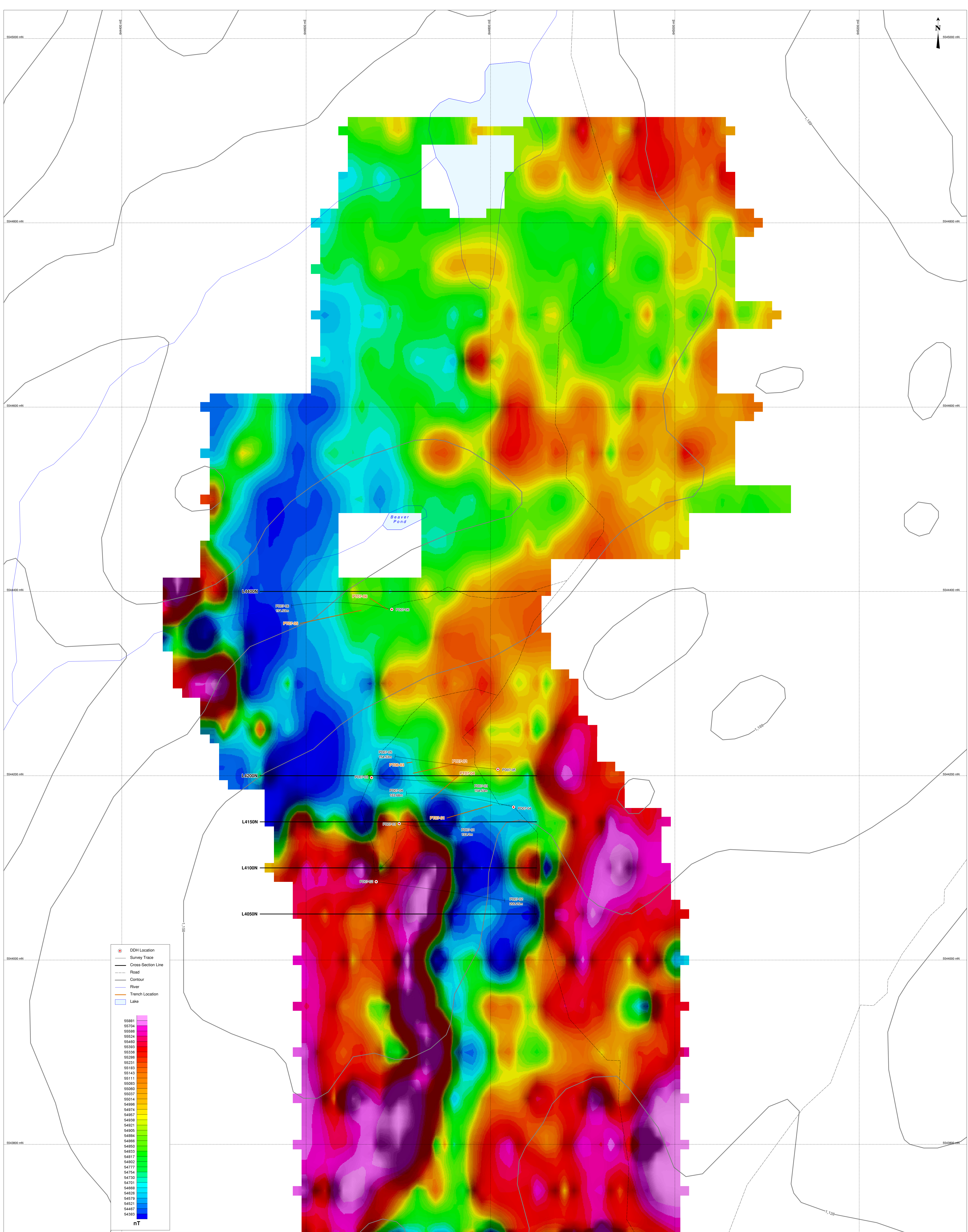
**Map 3. Ponderosa and Inn Property Rock, Silt, and Soil Sample Gold Results**

Date: Jan 2008  
 Author: FM  
 Drawing: PO003  
 Scale: 1:20,000

**STRONGBOW**  
exploration inc.

0 0.4 0.8 1.6 km  
 Projection: UTM Zone 10 (NAD83)

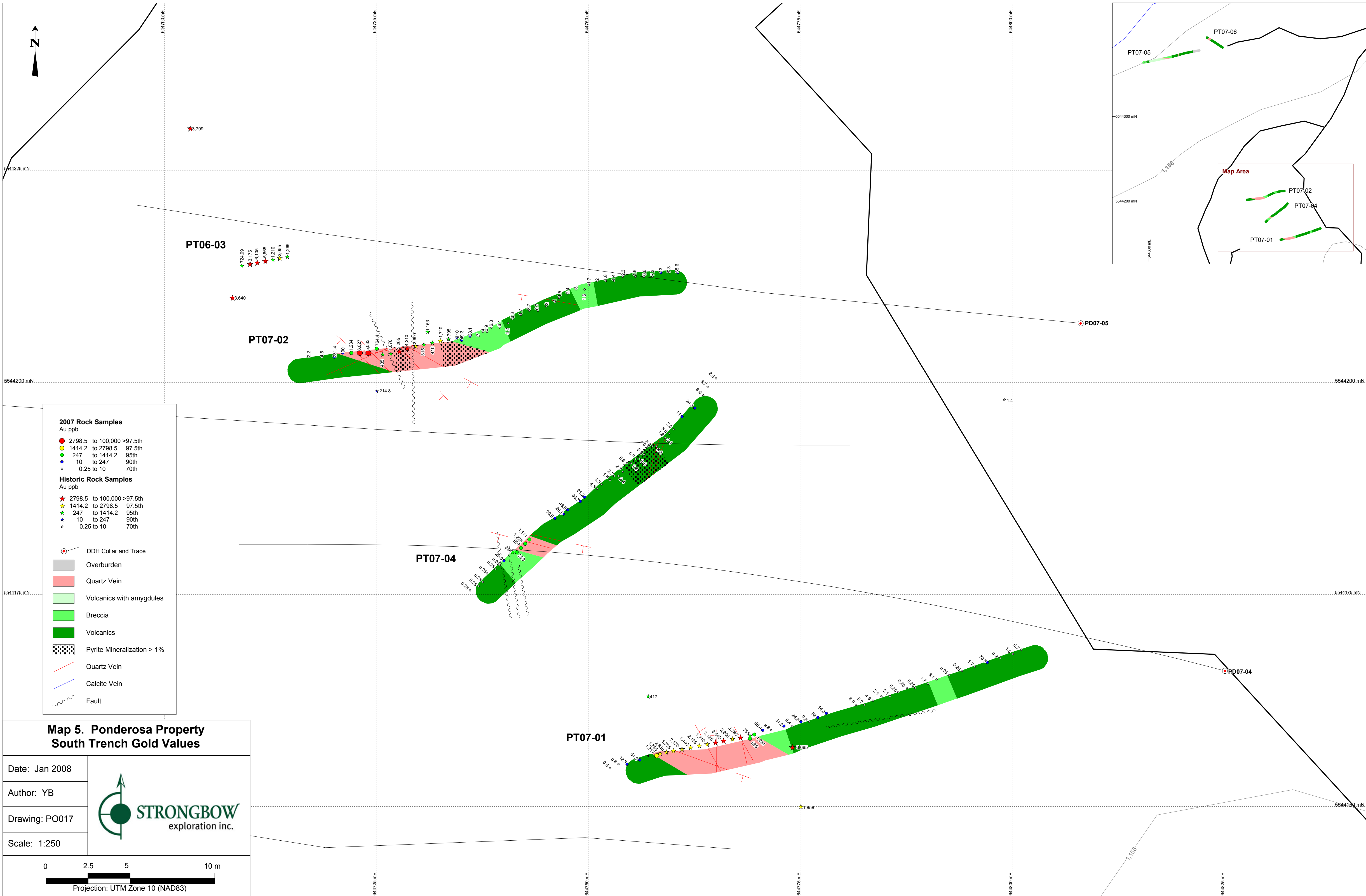




**Map 4. Ponderosa Property  
Total Field Magnetics**

Date: Dec 2007  
 Author: YB  
 Drawing: PO020  
 Scale: 1:1,500

0 30 60 120 m  
 Projection: UTM Zone 10 (NAD83)



PT06-03

- ★ 724.59
- ★ 3.175
- ★ 6.105
- ★ 5.665
- ★ 1.210
- ★ 2.055
- ★ 1.265

PT07-02

PT07-04

PT07-01

PT07-05

PT07-06

Map Area

PT07-02

PT07-04

PT07-01

PD07-05

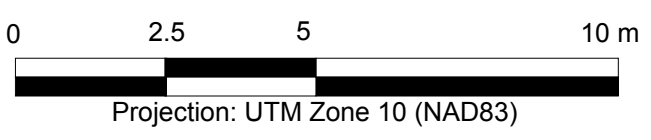
PD07-04

- 2007 Rock Samples**  
Au ppb
- 2798.5 to 100,000 >97.5th
  - 1414.2 to 2798.5 97.5th
  - 247 to 1414.2 95th
  - 10 to 247 90th
  - 0.25 to 10 70th
- Historic Rock Samples**  
Au ppb
- ★ 2798.5 to 100,000 >97.5th
  - ★ 1414.2 to 2798.5 97.5th
  - ★ 247 to 1414.2 95th
  - ★ 10 to 247 90th
  - ★ 0.25 to 10 70th

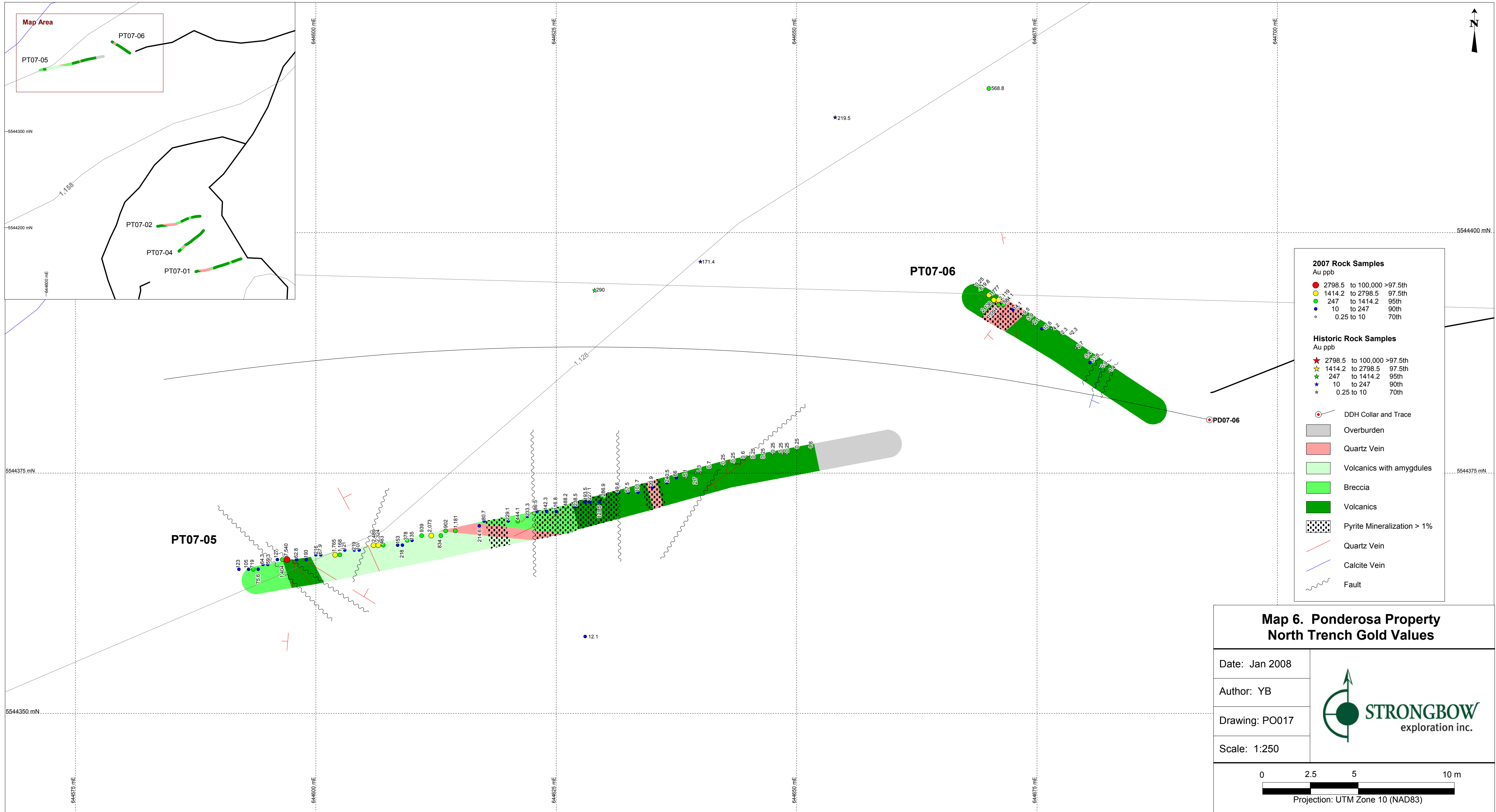
- DDH Collar and Trace
- Overburden
- Quartz Vein
- Volcanics with amygdules
- Breccia
- Volcanics
- Pyrite Mineralization > 1%
- Quartz Vein
- Calcite Vein
- Fault

**Map 5. Ponderosa Property South Trench Gold Values**

Date: Jan 2008  
Author: YB  
Drawing: PO017  
Scale: 1:250







**2007 Rock Samples**  
Au ppb

- 2798.5 to 100,000 >97.5th
- 1414.2 to 2798.5 97.5th
- 247 to 1414.2 95th
- 10 to 247 90th
- 0.25 to 10 70th

**Historic Rock Samples**  
Au ppb

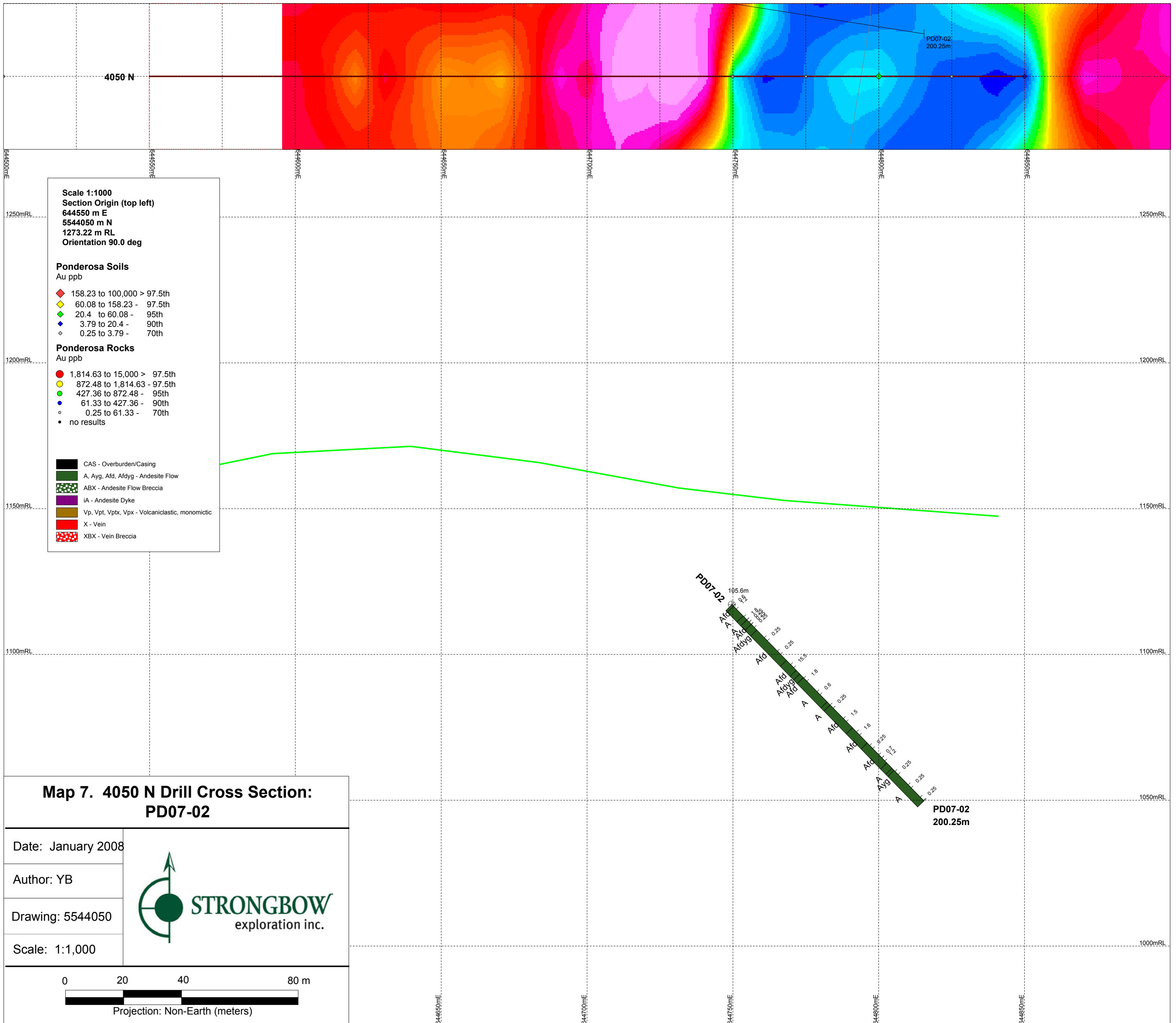
- ★ 2798.5 to 100,000 >97.5th
- ★ 1414.2 to 2798.5 97.5th
- ★ 247 to 1414.2 95th
- ★ 10 to 247 90th
- ★ 0.25 to 10 70th

- DDH Collar and Trace
- Overburden
- Quartz Vein
- Volcanics with amygdules
- Breccia
- Volcanics
- Pyrite Mineralization > 1%
- Quartz Vein
- Calcite Vein
- ~ Fault

**Map 6. Ponderosa Property  
North Trench Gold Values**

Date: Jan 2008	
Author: YB	
Drawing: PO017	
Scale: 1:250	

Projection: UTM Zone 10 (NAD83)



Scale 1:1000  
 Section Origin (top left)  
 644550 m E  
 5544050 m N  
 1273.22 m RL  
 Orientation 90.0 deg

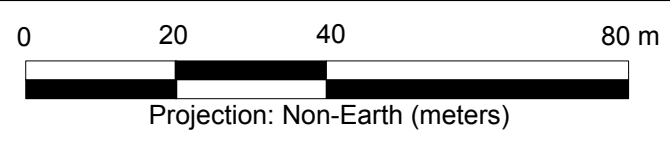
- Ponderosa Soils**  
 Au ppb
- ◆ 158.23 to 100,000 > 97.5th
  - ◇ 60.08 to 158.23 - 97.5th
  - ◇ 20.4 to 60.08 - 95th
  - ◆ 3.79 to 20.4 - 90th
  - ◇ 0.25 to 3.79 - 70th

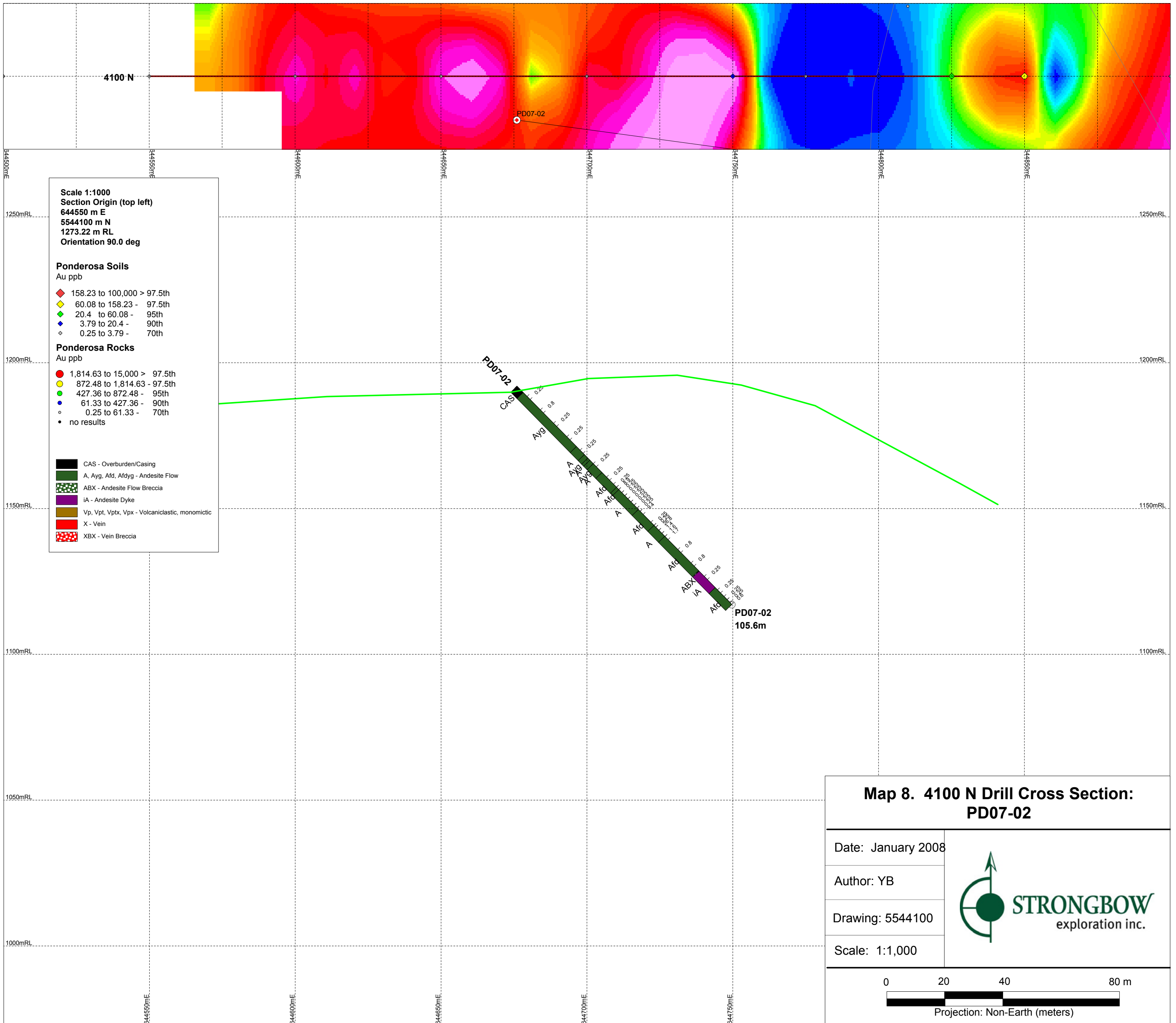
- Ponderosa Rocks**  
 Au ppb
- 1,814.63 to 15,000 > 97.5th
  - 872.48 to 1,814.63 - 97.5th
  - 427.36 to 872.48 - 95th
  - 61.33 to 427.36 - 90th
  - 0.25 to 61.33 - 70th
  - no results

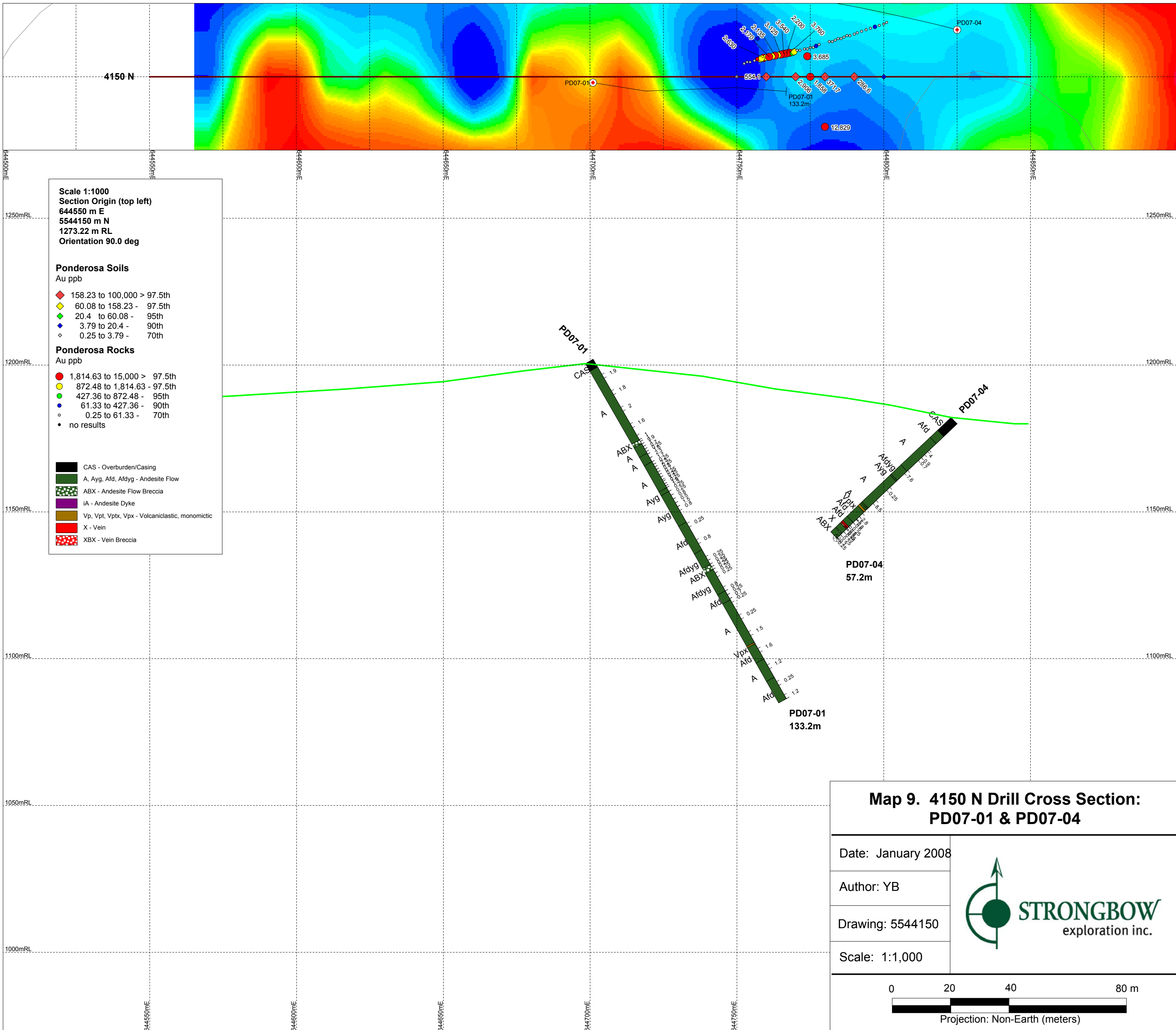
- CAS - Overburden/Casing
- A, Ayg, Afd, Afdyg - Andesite Flow
- ABX - Andesite Flow Breccia
- iA - Andesite Dyke
- Vp, Vpt, Vptx, Vpx - Volcaniclastic, monomictic
- X - Vein
- XBx - Vein Breccia

**Map 7. 4050 N Drill Cross Section:  
 PD07-02**

Date: January 2008  
 Author: YB  
 Drawing: 5544050  
 Scale: 1:1,000







**Scale 1:1000**  
**Section Origin (top left)**  
**644550 m E**  
**5544150 m N**  
**1273.22 m RL**  
**Orientation 90.0 deg**

**Ponderosa Soils**  
 Au ppb

- ◆ 158.23 to 100,000 > 97.5th
- ◇ 60.08 to 158.23 - 97.5th
- ◇ 20.4 to 60.08 - 95th
- ◇ 3.79 to 20.4 - 90th
- ◇ 0.25 to 3.79 - 70th

**Ponderosa Rocks**  
 Au ppb

- 1,814.63 to 15,000 > 97.5th
- 872.48 to 1,814.63 - 97.5th
- 427.36 to 872.48 - 95th
- 61.33 to 427.36 - 90th
- 0.25 to 61.33 - 70th
- no results

■ CAS - Overburden/Casing  
 ■ A, Ayg, Afd, Afdyg - Andesite Flow  
 ■ ABX - Andesite Flow Breccia  
 ■ iA - Andesite Dyke  
 ■ Vp, Vpt, Vptx, Vpx - Volcaniclastic, monomictic  
 ■ X - Vein  
 ■ XBX - Vein Breccia

**Map 9. 4150 N Drill Cross Section:  
 PD07-01 & PD07-04**

Date: January 2008  
 Author: YB  
 Drawing: 5544150  
 Scale: 1:1,000

