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BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geochemical, Geologicial, PAC Withdrawal **TOTAL COST:** 54,375.36

AUTHOR(S): Robert Campbell **SIGNATURE(S):** Robert Campbell

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): na **YEAR OF WORK:** 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event number: 5562651;
Event Type: SOW -- Exploration and Development Work; Recording Date: 2015/JUL/15

PROPERTY NAME: Skoonka Creek

CLAIM NAME(S) (on which the work was done): 516061, 515980, 102710, 503082

COMMODITIES SOUGHT: Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: na

MINING DIVISION: Kamloops **NTS/BCGS:** 92I/5, 6; 092I023, 33

LATITUDE: 50 ° 20 ' 36 " **LONGITUDE:** 121 ° 29 ' 20 " **(at centre of work)**

OWNER(S):
1) ALMADEX MINERALS LIMITED 2)

MAILING ADDRESS:
310-1385 West 8th Avenue
Vancouver, BC Canada V6H 3V9

OPERATOR(S) [who paid for the work]:
1) STRONGBOW EXPLORATION INC. 2)

MAILING ADDRESS:
Suite 580 - 625 Howe Street
Vancouver, BC Canada V6C 2T6

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Spences Bridge Group, more specifically the Pimainus Formation (PF) and the Spius Formation (SF); mid-Cretaceous, Southern Intermontane tectonic belt, past work indicates local occurrences of epithermal gold mineralization including 20.2 g/t gold over 12.8 m by diamond drilling ; no resources.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	119 Soil A, 103 Soil B; 36 trace element ICP-MS	516061, 515980, 102710	
Silt			
Rock	15; 3636 trace element ICP-MS (15) & Whole rock	516061 (11), 102710 (4)	
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	recon. nominally at 1:10,000	516061, 1021710, 503082, 503983	
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	54,375.36

2015 REPORT ON EXPLORATION ACTIVITIES PROSPECTING & SOIL SAMPLING SKOONKA CREEK PROPERTY (CLAIMS: 503075, 503076, 503078, 503082, 503083, 515980, 516061, 516062, 1021710 & 1021711)

Kamloops Mining Division
Lytton-Spences Bridge Area, British Columbia
NTS: 92I/5, 6; BCGS: 092I023, 33
Latitude 50° 20' 36"N Longitude 121° 29' 20”W
UTM Zone 10: 607521E, 5577897N (NAD 83)
(Approximate centre of claims)

Strongbow Exploration Inc.
Suite 860 - 625 Howe St.
Vancouver, B.C.
V6C 2T6

R. Campbell, P. Geo. (BC)
Oct 12th, 2015

SUMMARY

The Skoonka Creek project is located approximately 15 km northeast of Lytton, BC.

The project is a joint venture option acquired from Almaden Minerals Ltd. (Almaden) with Strongbow Exploration Inc. (Strongbow). Currently Strongbow is the operator and holds a 65.86% interest in the property.

In 2003Almaden discovered the JJ and Discovery gold epithermal quartz vein showings as a result of surface exploration follow-up of a BC government gold in silt anomaly. In 2005 Strongbow optioned the property and conducted comprehensive exploration programs from 2005 to 2007, including soil sampling, airborne and ground geophysical surveys, prospecting and mapping, and diamond drilling in order to explore for an economic epithermal gold deposit. Diamond drilling on the JJ showing in 2006 returned a highlight value of 20.2 g/t gold over 12.8 m, demonstrating that the property had strong potential for hosting economic epithermal gold deposits. Strongbow's continuing work in 2006 and 2007 detailed and expanded the understanding of the JJ and Discovery zones as well as new discoveries that include the Deadwood, Ember, Backburn, and Zebra gold showings. In 2013 a small program consisting of geological mapping, prospecting and a soil Ah horizon orientation survey were completed. The soil Ah survey was found to return a very strong signal in gold and other trace element pathfinder elements over and adjacent to the JJ gold mineralized zone.

Field work reported herein documents a small exploration program, conducted from July 13th to 20th, consisting of prospecting, and soil sampling of the B and Ah soil horizons.

Prospecting took place in the JJ West area and Porphyry area. In the JJ West area eleven rock samples (nine of float, one from subcrop and one from outcrop) were collected and submitted for geochemical analyses. Anomalous gold values from two rock samples (sample 89959: 16.9 and sample 89957: 55.3 ppb) represent the highest gold values returned from the JJ West area. Several of the rock samples also returned anomalous trace elements considered as pathfinders in exploration for epithermal gold deposits including up to 1,079.7 ppm arsenic, 2580 ppb mercury, 27 ppm molybdenum and 7.8 ppm antimony. The most favourable of the rock sample geochemical results belongs to two rock samples located in the area of an interpreted easterly trending normal fault that may form the north boundary of a graben structure, which is the same type of structural setting that hosts the JJ gold mineralization. In addition, anomalous trace element results in both the current and past soil samples collected in the same general area indicate this area should be a high priority for follow-up work including prospecting, mapping, soil sampling and trenching. High arsenic and other trace element results from rock samples 89951, 89952 and 89954 in the vicinity of arsenic in soil anomalies in the northern part of the soil survey area should be followed up by hand trenching where overburden thickness is thin (e.g. 89952). Prospecting and additional soil sampling is recommend to extend coverage westward from the current JJ West soil sampling to the forestry road approximately 400 downslope. The

new northward extension of that forestry road in the same area also warrants prospecting, mapping and soil sampling.

Investigation of the Porphyry area included the collection of four rocks samples (one from outcrop and three float pieces), however no significant results were returned from the geochemical analyses.

Two whole rock sample analyses, one each from the JJ West and Porphyry areas, returned similar SiO2 results (54%) indicating that the samples fall into an intermediate or andesite category of volcanic rocks.

Soil sampling was conducted in the JJ West area to follow-up on a soil Ah orientation survey conducted in 2013. A total of 119 soil Ah horizon samples and 103 soil B horizon were collected from 119 soil stations. The soil B samples were collected from the same station locations as soil Ah samples in order to aid in interpretation and assess the comparative benefits or effectiveness of the sample mediums. A comparison of the 50th, 70th, 90th, 95th and 97.5th percentile cut-offs from the Ah and B soil results shows that in general the Ah horizon produces a stronger signal for gold, silver, mercury and molybdenum compared to the soil B horizon while the soil B horizon produces a stronger arsenic signal. The antimony signal is close to the same in both mediums.

The top three gold in soil results were 122.5 ppb, 33.4 ppb and 22 ppb and all were derived from the soil Ah horizon.

Four areas of soil geochemical anomalies were identified from the soil sampling, including the highest gold in soil value of the program near an interpreted normal fault and graben structure area that is noted above as the area where the most favourable rock sample geochemistry was found. Soil Ah sample 89935 (122.5 ppb gold) was collected at the intersection of the early normal fault with the Spius Formation-Pimainus Formation contact.

In the north-central part of the soil survey, where soil Ah sampled 89852 returned 33.4 ppb gold, a nearby boulder field close to this sample and other trace element in soil anomalies should be investigated.

Arsenic in soil anomalies from a series of eight consecutive stations along the northwest part of the 2015 soil survey area returned anomalous arsenic in the soil B horizon and locally accompanied by elevated to anomalous mercury and antimony values in the soil Ah and soil B samples. These results support the recommendation, already noted above, to extend coverage westward from the current JJ West soil sampling area to the forestry road approximately 400 downslope to the west and around the new northward extension of that same forestry road.

Consideration should be given to extending the Ah soil sample eastwards from soil Ah sample 89852 (22 ppb gold) towards the JJ zone to compare the Ah results with the historic soil B sample coverage as well as extending the soil sample coverage to the northeast where

soil sample coverage is lacking.

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1 CD-R (back pocket) - Final Report as pdf document

1.0 INTRODUCTION

The Skoonka Creek property consists of 10 mineral claims located in the Kamloops mining division and near the community of Lytton in southwestern BC. Six days of prospecting and ground follow-up of geochemical anomalies, including the collection of 119 soil Ah horizon, 103 soil B and 15 rock samples were completed from July 13 to July 20, 2015. This technical report provide the details of the field work, description and interpretation of the results and a summary of related expenditures incurred for the purpose of filing mineral claim assessment credits as per the Mineral Tenure Act (MTA) of BC.

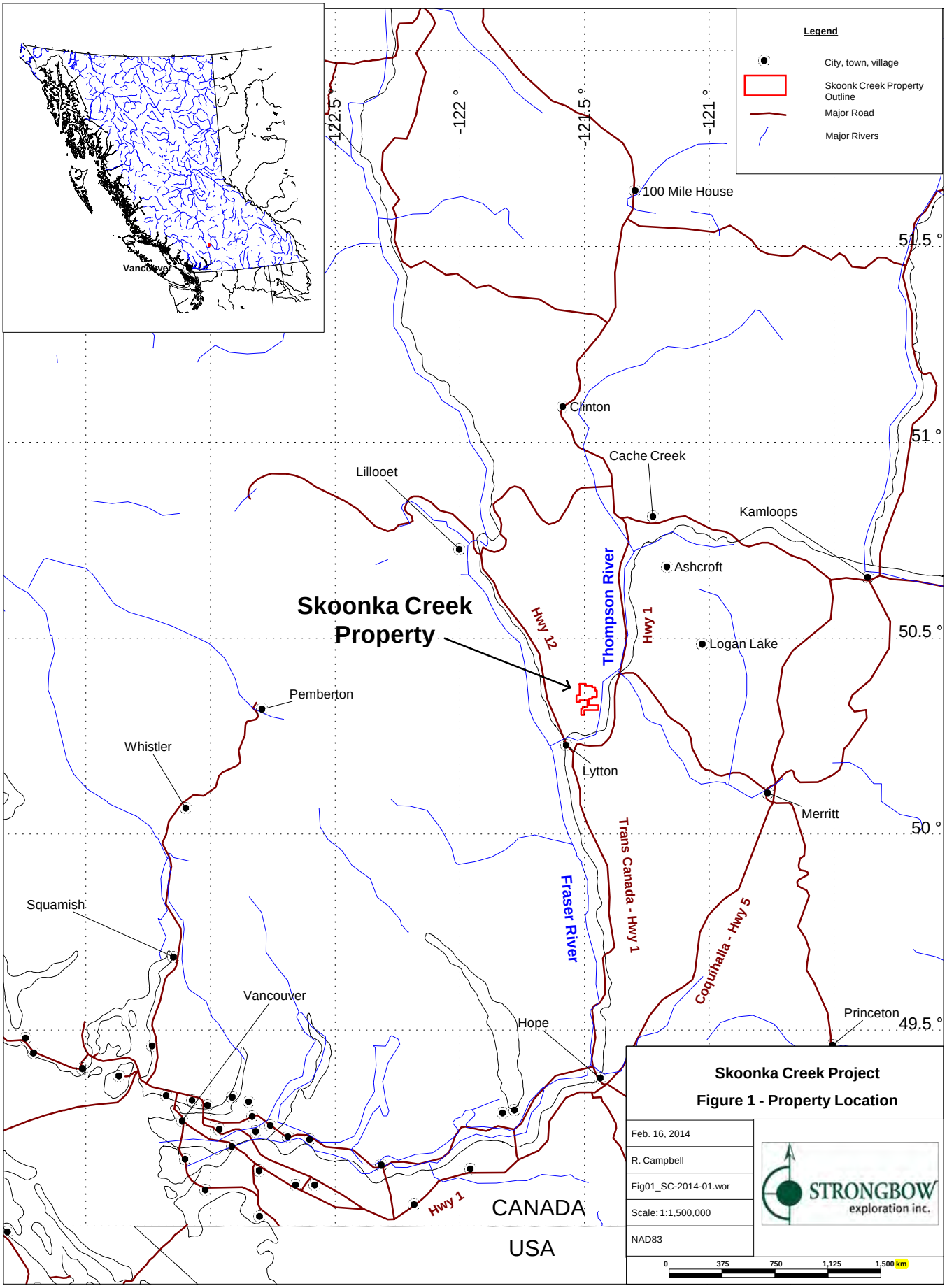
1.1 Location, Access, Physiography and Climate

Most of the following section (1.1) is accredited to Chang and Gale (2008).

The Skoonka Creek project is situated at latitude 50°22'N and longitude 121°30'W or 606040E, 5578070N (UTM NAD 83, Zone 10). It is located between the communities of Lytton and Spences Bridge in south-central British Columbia, less than 10 km from the Trans-Canada Highway and the Canadian National Railway line, and an approximate three hour drive from Vancouver in southern British Columbia. The property area is bounded to the west, south and east by the Fraser and Thompson Rivers and is covered by 1:50,000 scale NTS map sheet 92I/05 and 06 (Figure 1).

The property can be accessed via the Botanie Lake Road, which is approximately 1 km northeast of the Trans-Canada Highway, along Highway 12. Primary access points for to the property are through the Sleetis Creek forestry road located approximately 9 km from the start of the Botanie Lake Road for the southern area of the property and the Skoonka Forestry Road through Botanie Indian Reserve #15, which is located at the north end of Botanie Lake Road (Figure 2). The Sleetis Creek and Skoonka Forestry roads are linked via a 1.5 km connecting road dubbed the "JJ Connector", which was built in 2006 to allow easier access through the property. The Firebreak road is a 2.6 km long, deactivated fire trail, which was cleared in 2006 to allow access to the Backburn area. A new trail was constructed in 2007 to provide access to the Ember area by joining the end of the Discovery road, also known as the West Spur Road, to the Central Spur Road (Figure 2). The Skoonka Creek property may see active logging between the months of June and November, during which logging vehicles and equipment share the road and radio communication is essential.

There was no active logging operations on the property during the 2015 field work. Construction of a small extension branch off of the Sleetis Main road that was observed in progress in 2013 appeared to have been completed but no new logging had been completed in this area.


Legend
City, town, village
Skoonk Creek Property Outline
Major Road
Major Rivers
Vancouver
-122.5 °
-122 °
-121.5 °
-121 °
100 Mile House
51.5 °
Clinton
51 °
Cache Creek
Lillooet
Kamloops
Ashcroft
Skoonka Creek Property
Hwy 12
Thompson River
Hwy 1
Logan Lake
50.5 °
Pemberton
Whistler
Lytton
Merritt
50 °
Trans Canada - Hwy 1
Fraser River
Squamish
Coquihalla - Hwy 5
Vancouver
Hope
Princeton
49.5 °
Hwy 1
CANADA
USA
Skoonka Creek Project
Figure 1 - Property Location
Feb. 16, 2014
R. Campbell
Fig01_SC-2014-01.wor
Scale: 1:1,500,000
NAD83
STRONGBOW exploration inc.
0
375
750
1,125
1,500 km

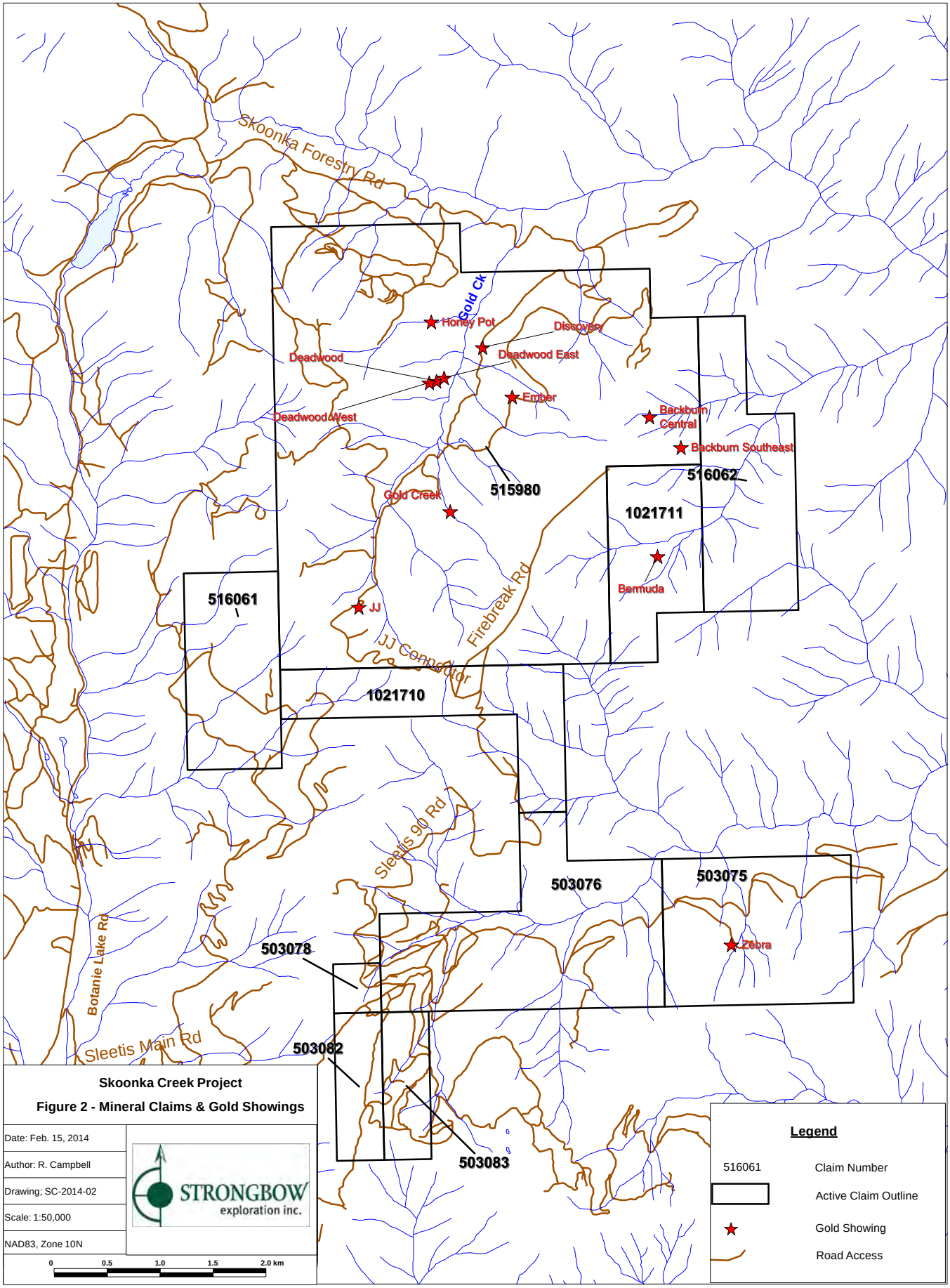
The Skoonka Creek property lies within the western margin of the Intermontane physiographic region, on the Scarped Range between the Fraser Plateau and the northern Cascade Mountains (Balon, 2005). The topography consists of rolling upland to rugged mountain terrain, with elevations up to 1,780m. Gold Creek is northward flowing branch off Skoonka Creek which, subsequently flows eastward into the Thompson River. Soil and glacial till cover is generally thin although extensive, and is generally thicker (> 5m) at lower elevations, particularly in the northern part of the property (Balon, 2005). Bedrock is moderate to well-exposed in road cuts, some stream gullies, steep slopes and ridge tops; otherwise bedrock exposure is poor to moderate. Based on the glacial striae in outcrop along the West Spur Road, the predominant ice direction is approximately 110° (Balon, 2005).

1.2 Claim Data

The Skoonka Creek property (Skoonka property) was initially staked by Almaden Minerals Ltd. (Almaden) as sixteen contiguous claims comprising 3,500 hectares (SAM 1 to 16 claims). In early 2005, this land position was reconfigured into four claims: 515980, 516059, 516061 and 516092 and thirteen new claims were additionally staked to comprise seventeen contiguous claims that cover a north-south rectangular block of 10,190 hectares. In June 2005 Strongbow entered into an option joint venture agreement with Almaden to acquire an interest in the Skoonka property. Based upon the 2005 and 2006 exploration expenditures, Strongbow earned a 51% interest in the Skoonka Creek property as per the joint venture partnership with Almaden. In May 2007, Almaden elected not to participate in the 2007 exploration program at Skoonka Creek, therefore the program was entirely funded by Strongbow. Following the 2007 exploration program Strongbow had earned a 65.86% interest in the property. In August 2013 the Skoonka property was reduced to a core holding of 10 claims comprising 2,783.59 ha. (Table 1, Figure 2).

Table 1: Skoonka Creek Mineral Claims

Tenure Number	Issue Date (d-m-yr)	Anniversary Date (d-m-yr)	Area (ha.)	Owner Name
503075	13-Jan-05	16-Jul-15	247.57	Almaden Minerals Ltd.
503076	13-Jan-05	16-Jul-15	330.09	Almaden Minerals Ltd.
503078	13-Jan-05	16-Jul-15	20.63	Almaden Minerals Ltd.
503082	13-Jan-05	16-Jul-15	61.91	Almaden Minerals Ltd.
503083	13-Jan-05	16-Jul-15	61.91	Almaden Minerals Ltd.
515980	4-Jul-04	16-Jul-15	1,381.09	Almaden Minerals Ltd.
516061	5-Jul-05	16-Jul-15	164.96	Almaden Minerals Ltd.
516062	5-Jul-05	16-Jul-15	206.15	Almaden Minerals Ltd.
1021710	5-Jul-05	16-Jul-15	164.98	Almaden Minerals Ltd.
1021711	5-Jul-05	16-Jul-15	144.32	Almaden Minerals Ltd.
Total =		**10 claims**	**2,783.59**	


Skoonka Forestry Rd
Gold Ck
Honey Pot
Discovery
Deadwood
Deadwood East
Ember
Deadwood West
Backburn Central
Backburn Southeast
516062
515980
Gold Creek
1021711
Bermuda
516061
JJ
JJ Connector
Firebreak Rd
1021710
Sleetis 90 Rd
503076
503075
Zebra
503078
Botanie Lake Rd
Sleetis Main Rd
503082
503083
Skoonka Creek Project
Figure 2 - Mineral Claims & Gold Showings
Date: Feb. 15, 2014
Author: R. Campbell
Drawing; SC-2014-02
Scale: 1:50,000
NAD83, Zone 10N
STRONGBOW exploration inc.
0
0.5
1.0
1.5
2.0 km
Legend
516061
Claim Number
Active Claim Outline
Gold Showing
Road Access

Pending approval of the field work reported herein the mineral claims will be in good standing until Sept. 21, 2017.

1.3 History

The history of the property prior to 2013 that is reported in this section is accredited to Chang and Gale (2008).

The discovery of placer gold in gravel bars adjacent to the Skoonka Creek property ignited the Fraser and Thompson rivers gold rush between the 19th and 20th centuries (Balon, 2005). Placer gold was mined from the gravel bars on major tributaries in the Ashcroft-Lytton-Lillooet district. A regional silt geochemical survey was carried out for NTS sheet 92I and reanalyzed in 1994, then re-released as BC RGS 40 or GSC Open File 2666. Two gold anomalies (19ppb and 23ppb) located within the Skoonka Creek drainage were the initial attraction for Almaden in this area.

In 2003, Almaden collected 22 rocks, 41 stream sediments, and 14 soil samples and prospecting led to the discovery of gold-bearing chalcedonic quartz vein rubble in a road cut adjacent to Gold Creek (Discovery showing) and prompted the staking of SAM 1-10 claims. Follow-up work by Almaden in 2004 resulted in the collection of 41 rock, 8 silt, and 417 soil samples through soil and silt sampling along road cuts, prospecting, and bedrock mapping, and hand trenching and channel sampling at the JJ and Discovery showings. In addition, access road clearing and minor road repairs were performed to maintain their condition.

Strongbow took over operation of the Skoonka Creek project in 2005. Regional silt sampling (29 samples), detailed and regional soil sampling (3,588 samples), geological mapping and prospecting (224 samples), ground magnetic and VLF geophysics surveys and diamond drilling were conducted on the property. This work highlighted five main areas of interest: JJ, Discovery, Gold Creek, Ember and Backburn. Eleven drill holes were drilled at JJ to test a coincident geophysical and soil geochemical anomaly that was interpreted to represent the host structure for high grade epithermal quartz veins. Drilling results (824 drill core samples) highlighted 20.2 g/t gold over 12.8m and extended the surface showing to a strike length of approximately 350 m.

The 2006 exploration consisted of both reconnaissance and detailed work. A total of 4,533 soil, 76 silt, and 1,624 rock samples were collected. In addition to sampling, surface work involved mapping and prospecting, and detailed soil and hand/mechanized trenching over zones with anomalous gold results. A 206 line-kilometre airborne geophysics was flown to cover the 2005 regional soil sampling grid. Ground geophysical surveys comprised 33.7 line kilometres of magnetics over five grids (Discovery, JJ, Ember, Deadwood and Backburn) and a 5.45 line kilometre IP survey over the JJ showing. Drilling was conducted over two phases and totalled 4,403.29m and 2,353 samples, which successfully tested the Discovery showing (3 holes) down to a depth of 110m over a 50m strike and extended the JJ mineralization (18 holes) over a strike of 750m and a depth of 250m. Road building in

the north half of the property allowed a link between the north and south network of forestry roads and provided access for detailed work and drilling.

The 2007 exploration program consisted of mapping (1:10,000 and 1:2,500 scale) detailed to reconnaissance, grid and trench soil sampling (2,262 samples), surface o trench rock sampling (783 samples), mechanized and hand trenching (432 m), ground geophysics (33.9 line km of magnetometer surveying) and airborne geophysics (580 line km DIGHEM V survey) diamond drilling (3,147 m in 13 holes; 1,129 core samples assayed) and road construction (1.46 km). Summer surface work focused on developing the Ember, Deadwood, Backburn, and Zebra showings as drill targets for a fall program.

The property-scale mapping (1:10,000) covered the eastern part of the property and focused on the Spius and Pimainus Formation contact while detailed mapping (1:2,500) was conducted over the Backburn and Zebra showings. Ground geophysics was conducted over Deadwood, Ember, Backburn, and Zebra areas. The airborne magnetic, electromagnetic and radiometric survey was flown to cover 70% of the property and ties onto the 2006 airborne survey area. The fall diamond drilling program tested the Deadwood (6 holes), Ember (2 holes), Backburn (4 holes), and JJ (1 hole) zones. In addition a 1.46 km road was constructed to provide backhoe and drill access to the Ember showing.

Detailed soil grid sampling, soil trenching, and prospecting aided in extending and identifying new geochemical anomalies in each area, which was then followed up by hand or mechanized trenching over the best zones on surface. The DIGHEM V airborne results were useful for distinguishing the relatively more magnetic Spius Formation from the less magnetic Pimainus Formation and mapping large-scale structures. Ground magnetic surveys, comprising 33.9 line-kilometres, carried out over the showings were useful for mapping lineaments that may represent alteration or faults.

The focus of the Deadwood, Ember, and Backburn diamond drilling was to test the down dip extent of their respective surface showings. The single hole drilled at the JJ showing was designed to test the potential for a significant north-dipping conjugate structure that may be linked to the high-grade JJ veins. Drilling successfully extended the JJ and Discovery zones of mineralization and both continue to be open at depth. The Deadwood, Ember, Discovery and Backburn gold showings define a 3-km long corridor of low grade gold mineralization.

In 2013 a small program, consisting of geological mapping and soil Ah orientation surveys over the JJ and JJ West area, were completed (Campbell, 2014). The Soil Ah sampling returned strong anomalies from multiple pathfinder elements close to the JJ Showing. Outside of the main JJ showing and in the JJ West area soil Ah samples returned scattered multi-element anomalies including seven contiguous samples over the north end of the JJ West orientation line that were anomalous in either gold, arsenic, mercury, molybdenum or antimony, and form a 450 m trend of anomalous results approximately 1 km west-southwest) of the main JJ trend (Campbell, 2014). The recommendations from the 2013 program included additional geological mapping to better understand and constrain the

Pimainus-Spius formations fault contact in the JJ West area and detailed Ah soil sampling in the JJ and JJ West areas.

2.0 GEOLOGICAL SETTING

2.1 Regional Geology and Mineral Deposits

The following sections (2.1, 2.2) are accredited to Chang and Gale (2008).

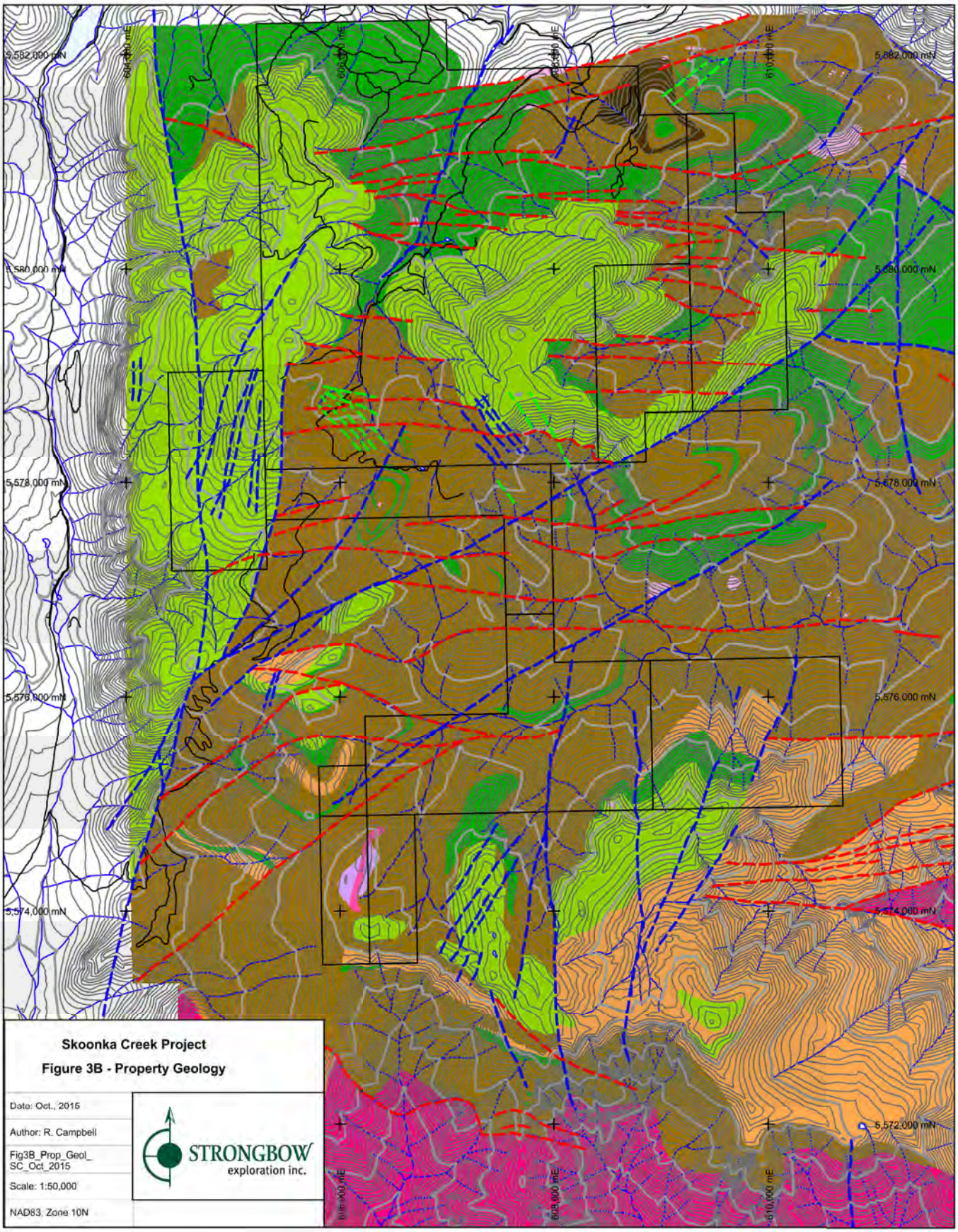
The Skoonka Creek project is situated within the Spences Bridge Group (SBG), which is part of the southern Intermontane tectonic belt of the Canadian Cordillera. The Intermontane tectonic belt is a region of relatively low topographic and structural relief with mainly sub-greenschist metamorphic grade rocks exposed across its entire width. Predominant lithologies in the southwest corner of the 92I map sheet consist of Nicola Group volcanics, metasediments of the Ladner and Relay Mountain groups, Jackass Mountain Group sediments and Spences Bridge Group volcanics (Banfield and Mountjoy, 1997; Map 1). Stratigraphy is intruded by abundant Late Triassic and/or Jurassic to Miocene plutons. Metamorphic assemblages consist of Cache Creek Complex mélanges and Bridge River Complex metamorphic and ultramafic rocks. Quaternary sediments occur as thick drifts along the main rivers and some of the larger creeks. Eocene and older rocks in the area are cut by steeply dipping normal faults that are parallel to subparallel to the main west-bounding Fraser fault (Balon, 2005). These faults display two geometries, trending both northwest-southeast and north-south (Map 1).

The Highland Valley porphyry copper mine (Map 1) and Craigmont copper iron skarn mine are two major mineral deposits that occur in the Spences Bridge region. The Highland Valley deposit is situated within the Late Triassic to Early Jurassic Guichon Creek batholith and is hosted by porphyritic quartz monzonite and granodiorite. Mineral reserves at Highland Valley as of December 31, 2012 include 359,900,000 tonnes in the proven category grading 0.34% copper and 0.007% molybdenum, and 337,500,000 tonnes in the probable category grading 0.24% copper and 0.009% molybdenum. Total reserves are 697,400,000 tonnes grading 0.29% copper and 0.008% molybdenum. (Teck Resources Ltd., 2013). The Craigmont mine contained 33 million tonnes grading 1.3% Cu hosted in calcareous sedimentary rocks of the Nicola Group comprised of limestones, limy tuffs, greywackes and argillites (Balon, 2005). Mineralization consists of magnetite, hematite and chalcopyrite and occurs as massive pods, lenses and disseminations extending through the calc-silicate horizon.

2.2 Property Geology, Alteration and Mineralization

The property geology for Skoonka Creek is the product of two stages of mapping in 2006 and 2007. A geological map encompassing the current Skoonka Creek mineral claims is presented in Figures 3A (Legend) and 3B (Property Geology). The Mount Lytton


Lithology
Intrusive Rocks
Age Unknown
Por - Hornblende-biotite-quartz-felspar Porphyry
Spences Bridge Group
Spius Formation
SFhfl - Hornblende-Phyric Flow
SFdac - Flow Banded Dacite
SFsco - Scoria Lapilli Tuff
SFafl - Amygdaloidal Andesite Flows
SFcon - Andesite Derived Conglomerate and Polymictic Greywacke
SFdyk - Diorite Dykes
Pimainus Formation
PFpng - Transition Sequence Epiclastics (pink and green)
PFpor - Feldspar Porphyry
PFsed - Conglomerate, Sandstone, Siltstone, Shale, Rare Coal
PFflo - Massive, fine-grained Flows/Silts - Andesite
PFalp - Accretionary Lapilli
PFlap - Undivided Lapilli Tuffs, Massive & Bedded
PFdac - Flow Banded Dacite
PFcon - Pimainus Basal Conglomerate
Mount Lytton Complex
TJd - Mount Lytton Complex
Faults
Early Normal - early, potentially mineralized normal faults
Late Normal - late, west-side down normal faults
Late Sinistral - latest sinstral strike-slipe faults
Contact
Inferred Contact
Skoonka Creek Project
Figure 3A - Property Geology Legend
Date: Oct., 2015
Author: R. Campbell
Fig3A_Prop_Geol_Leg_SC_Oct_2015
Scale:
NAD83 Zone 10N
STRONGBOW
exploration inc.


5,582,000 mN
5,580,000 mN
5,578,000 mN
5,576,000 mN
5,574,000 mN
5,572,000 mN
604,000 mE
606,000 mE
608,000 mE
610,000 mE
Skoonka Creek Project
Figure 3B - Property Geology
Date: Oct., 2015
Author: R. Campbell
Fig3B_Prop_Geol_SC_Oct_2015
Scale: 1:50,000
NAD83, Zone 10N
STRONGBOW exploration inc.

Complex, which underlies the Spences Bridge Group volcanic rocks, is well exposed in the southern part of the Skoonka Creek project area in several deeply eroded drainages that drain southward into the Thompson River. This complex is briefly mapped along its contact with the overlying Spences Bridge Group as layered units that likely represent volcaniclastic rocks, intruded and metamorphosed by at least one granitic intrusion (Cooley, 2006).

The Spences Bridge Group underlying the Skoonka Creek property is further divided into two assemblages, the Pimainus Formation (PF) and the Spius Formation (SF). In the southern part of the property a 500m thick section of PF is well exposed in two deeply eroded tributaries that drain southward into the Thompson River. At the bottom of the PF, a heterolithic conglomerate sits unconformably above the Mount Lytton Complex (PFcon). It consists of mainly subangular to well-rounded cobbles and boulders of epidotized metavolcanic that likely represent eroded clasts of Mount Lytton Complex (Cooley, 2006). The thickness of the conglomerate is quite variable and is likely absent in many places.

Above the basal conglomerate, the rest of the Pimainus consists of mainly pyroclastic-dominated volcanic rocks with minor sandstone, shale, conglomerate and rare coal. The predominant rock type in these pyroclastic units is a poorly sorted, weakly to non-bedded monomictic lapilli-ash tuff (PFlap). Clasts are generally subrounded to well-rounded and range in size from lapilli to boulder. Also present within the Pimainus Formation are well stratified, well sorted fragmental units with grain sizes that range from medium-grained to lapilli-size to cobble and boulder-dominated layers (PFlap). Grading in bedded units are generally normal (coarsening upwards), although in most outcrops grading is not consistent. These units are interpreted to be air fall deposits. Andesite flows (PFash), previously mapped as fine-grained crystal tuff (2006), make up approximately 25% of this section and may contain up to 50% amygdules, which are commonly filled with quartz, epidote or calcite. The reassignment of what were originally called “crystal tuffs” as coherent lava flows is supported by thin section textures, where consistently-sized crystals spaced evenly in an unidentifiable matrix represented a coherent rather than fragmental nature (Kelman, 2007).

Near the top of the Pimainus lies a sequence of generally metre-thick sandstone, interbedded with decimetre-thick shale layers (PFsst). This unit is evident only at the southern edge of the property. Carbonized wood fragments and leaf impressions are common within the sandstones. These sedimentary units are tentatively correlated with the Dot beds which occur between the Pimainus and Spius Formations approximately 30 to 40 km to the east of the property (Thorkelson, 1986). Above this sedimentary sequence is a variably thick layer of coarse-grained lithic fragments which resembles the polymictic volcaniclastic to epiclastic unit. This unit is dominant and well exposed in the southeast part of the property where it is in contact with the Mount Lytton complex and may represent reworked Pimainus tuffs that were deposited in some low-lying areas prior to eruption of Spius Formation flows (Cooley, 2006). Andesite dykes thought to represent feeders to Spius flows cut this unit and indicate that this uppermost pyroclastic unit was unlithified when the dykes intruded.

The Spius Formation andesite flows that occur on the property have been subdivided into two main rock types: massive fine-grained flows and amygdaloidal flows. Massive flows occur as layered units with rarely visible flow tops and as thick featureless flow packages (SFmfl). They commonly occur at the base of amygdaloidal flows (Cooley, 2006). The massive flows are fine to medium-grained, dark greenish black or dark purple in colour, commonly with maroon streaks. The flows exhibit conchoidal fracture and contain up to 20% coarse-grained (<5mm), tabular to acicular plagioclase crystals. Mafic minerals comprise approximately 5% of the rock and are tentatively identified as pyroxene, which are commonly altered to a dark red unidentified mineral or to chlorite.

Amygdaloidal flows are generally fine-grained to aphanitic with no readily-visible porphyroblasts (SFafl). Amygdules are commonly filled with calcite, silica or zeolite, and less commonly epidote, with rare chlorite. Amygdule-rich layers often occur at the tops of thicker flow horizons and commonly exhibit flow top and flow bottom autolithic breccia (Cooley, 2006). These flows are more resistant to erosion than the underlying pyroclastic strata of the Pimainus Formation and commonly form a thin layer that caps most of the high ridges in the project area.

The uppermost flows of possible SF affinity, which overly the amygdaloidal flows, are exposed in a 6 km long down-dropped normal fault block that lies along the northwest part of the Skoonka Creek project area. These flows are predominantly felsic, fine-grained flows with flow banding (SFdac). Within the upper most portion of the SF, the youngest flow is hornblende-phyric (SFhfl) (Cooley, 2006).

Felsic plugs are predominantly represented by hornblende-phyric plagioclase porphyry (Por). The porphyry generally contains up to 70% white stubby to elongate laths of plagioclase and 1 to 10% hornblende crystals (Cooley, 2006). The felsic plugs have only been observed within Pimainus Formation and older units and may not occur within the overlying Spius Formation flows. These plugs are not altered, they are interpreted to intrude along normal faults in the project area and are spatially associated with nearby alteration zones characterised by strong silicification and disseminated pyrite in host rocks (Cooley, 2006). The adjacent alteration is most likely caused by an earlier alteration event, along a structure that controlled subsequent porphyry emplacement.

Diorite dykes (SFdyk) typically intrude all units within the Spences Bridge Group, particularly the underlying Pimainus Formation but rarely the uppermost amygdaloidal flows of the Spius Formation. They are a common feature on the eastern half of the property where they intrude along and parallel to older normal fault zones. The dykes have also been displaced by later faulting. These dykes typically dip steeply to the west and have a north to northeast strike. Proper identification of these diorite dykes on the outcrop scale can be extremely challenging. These dykes contain amygdules that confuse them with amygdaloidal flows in smaller outcrops. In addition, where feldspar crystals are present, these dykes can easily be misinterpreted as an amygdaloidal crystal tuff. Where these dykes occur as fine-medium grained, massive bodies they become difficult to distinguish from massive flows.

Structural geology of the Skoonka Creek property is characterised by kilometre-scale blocks of uniformly-dipping (~30°) pyroclastic rocks and overlying flows that define distinctive dip domains with abrupt boundaries (Cooley, 2006). The dip domain boundaries are commonly marked by abrupt changes in rock type, which implies the presence of faults. These faults strike east-west to northeast-southwest. Drastically different dip directions across these faults suggest independent rotations within individual blocks, all within a broad zone affected by normal faulting (Cooley, 2006). In contrast to the domains of uniformly-dipping strata, most ridge crests, and the 6 km long section along the northwest edge of the project area, are underlain by horizontally-bedded flows that do not show evidence of rotation (Cooley, 2006). These horizontally-bedded flows that belong to the upper part of the Spius Formation are interpreted to have been deposited after much of the normal faulting had occurred. The area is cut by linear, north to northeast-trending features that transect dip domain boundaries and displaces the horizontally-bedded flows. These late normal faults consistently show a west-side down sense of displacement, with no apparent strike-slip movement and are interpreted to be late normal faults that cut the earlier structures and younger units (Cooley, 2006). The youngest faults observed on the property strike northwest-southeast and typically display a sinistral sense of displacement on the order of metres to tens of metres and are observed to offset geologic contacts, including diorite dykes (Cooley, 2006). These sinistral faults have en-echelon calcite and zeolite veins associated with them.

There are two styles of gold mineralization and alteration on the Skoonka Creek property: (1) multi-stage massive, banded veins with associated breccia zones and intense proximal silica to distal argillic alteration and (2) narrow stock work veinlets with disseminated pyrite and moderate silica, minor carbonate, limonite, and clay alteration. Hematite alteration is ubiquitous throughout all the showings but is likely not related to hydrothermal processes. The first style is well represented by the JJ and Discovery showings, located in the northern half of the claim (Figure 2). The second style of mineralization is more typical of Deadwood, Ember, Backburn, and Zebra.

3.0 METHODOLOGY

3.1 Sampling Procedures

3.1.1 Soil Samples

Soil samples were collected from the soil Ah and B horizon. B horizon samples were collected from the same site as an Ah soil sample to provide a comparison of results from the two mediums. The ideal Ah soil sample material includes decomposing organic material and humus black to brown organic matter that is at least partially decomposed and located within about 1 to 5 cm of surface. The B soil samples consisted of a variable grey to brown to black soil layer located between 5 and 20 cm depths. In many areas of the property, particularly at higher elevations, it is difficult to distinguish or separate in situ soil from glacially derived or transported soils. Samples were collected with the aid of a

trowel and to clear surface debris. In general the Ah soil samples were picked by hand to ensure the sample was representative of the Ah horizon with minimal cross contamination from the underlying soils horizon. Each sample filled most of a kraft soil sample bag, representing approximately 200 g of material. All samples consisted of a composite collected from 3 or more spots within a 1 to 2 m radius in order to produce a homogenous and more representative sample that would be less affected by a nugget effect. A duplicate soil sample, including samples from both the Ah and a B horizons, was collected at 1 out of every 30 stations.

Recent surface disturbances, such as roads, trails or trenches were avoided however it should be noted that much of the sample areas was logged in the 1990's or early 2000's, hence there is a possibility of lingering cultural contamination within these old clear cut areas. The approximate centre of each sample site was marked by a flagging tape with the sample number hung from tree branches or bushes for maximum visibility. Locations of the sample sites were obtained with a hand held Garmin "GPSmap 62sc" In general accuracy of the GPS was very good because most sample sites were at a relatively high elevation and the forest cover was not dense in most areas. A nominal accuracy +/- 5 m to as low as +/- 2m can be safely assumed for the GPS coordinates.

A waterproof numbered sample tag was place inside each kraft bag, which was then secured with a plastic self-locking cable tie and the sample number was written on the outside of the bag with a "sharpie" felt pen. The sample tag was derived from a set of company designed sample cards where detailed notes describing the sample and sample location were written.

3.1.1 Rock Samples

Rock samples collected either as stand-alone samples or composites depending upon the environment the sample was collected in and the purpose in collecting it. Two samples that were submitted for whole rock samples were collected from the freshest available rock and had the weathered rind chipped off of it.

Each sample was placed in a 6 mm. thick plastic "poly" bag accompanied by a waterproof sample tag. A waterproof numbered sample tag was place inside each poly bag, which was then secured with a plastic self-locking cable tie and the sample number was written on the outside of the bag with a "sharpie" felt pen. The sample tag was derived from a set of company designed sample cards where detailed notes describing the sample and sample location were written. Additional notes were regarding the sample were also recorded in field notebooks on an as needed basis. A portion of the rock that was sampled was wrapped in flagging tape with the sample number written on the inside of portion of the tape and wherever possible a flag was hung from a tree or bush nearest to the sample to aid in locating the sample site.

3.2 Analytical Procedures and Quality Control Measures

3.2.1 Analytical Procedures

All samples were submitted for analysis at Bureau Veritas Commodities Canada Ltd. (Bureau Veritas, formerly Acme Analytical Laboratories Ltd.) in Vancouver. Information from Bureau Veritas on QC regarding sample preparation and analytical methods are presented in Appendix I

Both the Ah and B samples underwent Bureau Veritas code AQ250 method of analysis, which consists of an ultra-low detection ICP-MS method that returned results for 37 trace elements based upon a 0.5 g split from the pulp. Note that the Ah and B soil samples were separated into two shipments for analysis in two separate jobs to avoid and cross contamination between the sample types. Eight commercially available pulp standards (OREAS 2Pd) were inserted into the shipment as a check on the laboratory precision.

Fifteen rock sample were submitted for the Bureau Veritas LF200 method of analysis, which is a 36 element ICP-MS/ES method based upon analysis of a 0.5 g split from the pulp that has undergone an Aqua Regia digestion. Two of the fifteen rock samples were also submitted for whole rock analyses (Bureau Veritas method LF202), which is a total rock characterization package (includes the major oxides analyses and AQ200 analysis for 36 trace elements) utilizing ICP-MS. The whole rock analyses and trace element analyses were conducted on a 0.2 g split 0.5 g split from the rock pulp respectively. One commercially available pulp standard (OREAS 2Pd) was submitted with the rock samples as a check on the laboratory precision.

3.2.2 Quality Control Measures

The Bureau Veritas laboratory in Vancouver is an ISO 9001 accredited laboratory and includes the following Quality Control In Testing" statement their website:
(http://acmelab.com/services/quality-control/).

> "Blanks (analytical and method), duplicates and standard reference materials inserted in the sequences of client samples provide a measure of background noise, accuracy and precision. QA/QC protocol incorporates a granite or quartz sample-prep blank(s) carried through all stages of preparation and analysis as the first sample(s) in the job. Typically an analytical batch will be comprised of 34-36 client samples, a pulp duplicate to monitor analytical precision, a -10 mesh reject duplicate to monitor sub-sampling variation (rock and drill core), a reagent blank to measure background and an aliquot of Certified Reference Material (CRM) or In-house Reference Material to monitor accuracy. In the absence of suitable CRMs In-house Reference Materials are prepared and certified against internationally certified reference materials such as CANMET and USGS standards where possible and will be externally verified at a minimum of 3 other commercial

laboratories. Using these inserted quality control samples each analytical batch and complete job is rigorously reviewed and validated prior to release."

A review of the results from the Bureau Veritas blanks, duplicates and standard reference materials that were utilized in the three Skoonka Creek jobs submitted by Strongbow indicated that overall there were no significant quality control issues. It is noted that the standard DS10 (an internal or in-house standard of Bureau Veritas) did display poor variability in the gold results (reflecting the precision of the result) in the soil Ah and soil B sample jobs (VAN15001706 and VAN15001707 respectively) as measured by the coefficient of variation (CV) (69.47% and 29.39% respectively). In light of the good precision in the certified standards and overall good repeatability of result in both of these jobs this issue was not pursued with the lab. The variability in the results from DS10 might be because an in house prepared standard is not likely to display the same consistency as a commercially prepared standard that undergoes a more rigorous round of testing.

The rock pulp standard inserted into each of the two soil and one rock sample jobs by Strongbow was OREAS 2Pd, which has an expected gold value of 0.883 g/t Au. All of the values returned by Bureau Veritas for OREAS 2Pd were within an acceptable range of the expected gold value as measured by the CV statistic of the repeated measurements, ranging from 2.87% to 9.24%.

An anomalous gold value of 122.5 ppb was returned from soil Ah sample #89935 in job VAN1500706. A rerun of another 0.5 gram split from the pulp of sample 89935 returned a less than detection level result (0.2 ppb) in job VAN1500706, suggesting there was poor precision in the lab results for this sample. The lab was asked about the discrepancy between god results from the same sample pulp and replied that gold analyses are generally less homogeneous in soils compared to rocks in part because of the mesh size used for sample prep, and, furthermore, because there were other anomalous results in the same job, the high gold result was believed to be real and not the result of lab contamination. It was also noted that the analysis was on a small pulp split (0.5g) and a larger sample pulp digestion (i.e. 15 to 30 gram) would provide a more representative gold result. Note that the rerun results for all the other trace elements in sample 89935 were well within an acceptable range of precision, suggesting the original high gold value was a real measurement and not a result of laboratory error or laboratory contamination. For the purposes of this report the high gold value (122.5 ppb Au) will be reported and assumed as a real gold anomaly, however any future work in this area should include an additional soil sample(s) in the same location to determine whether the anomalous gold result can be replicated.

The soil and rock sample laboratory certificates of the analytical results are presented in Appendix II.

4.0 EXPLORATION RESULTS

4.1 Introduction

The exploration program was conducted between July 13th and 20th 2015 including mobilization and demobilization. A field crew of 7 people were based in Lytton, the nearest community to the project area. The program consisted of geological prospecting in the JJ West and Porphyry area, including the collection of 15 rocks samples for trace element analyses, and the collection of 221 soil samples, including 119 soil Ah horizon samples and 103 B horizon soil from the JJ West area. Prospecting waypoint notes and rock sample meta-data are presented in Appendix III.

4.2 Prospecting JJ West Area

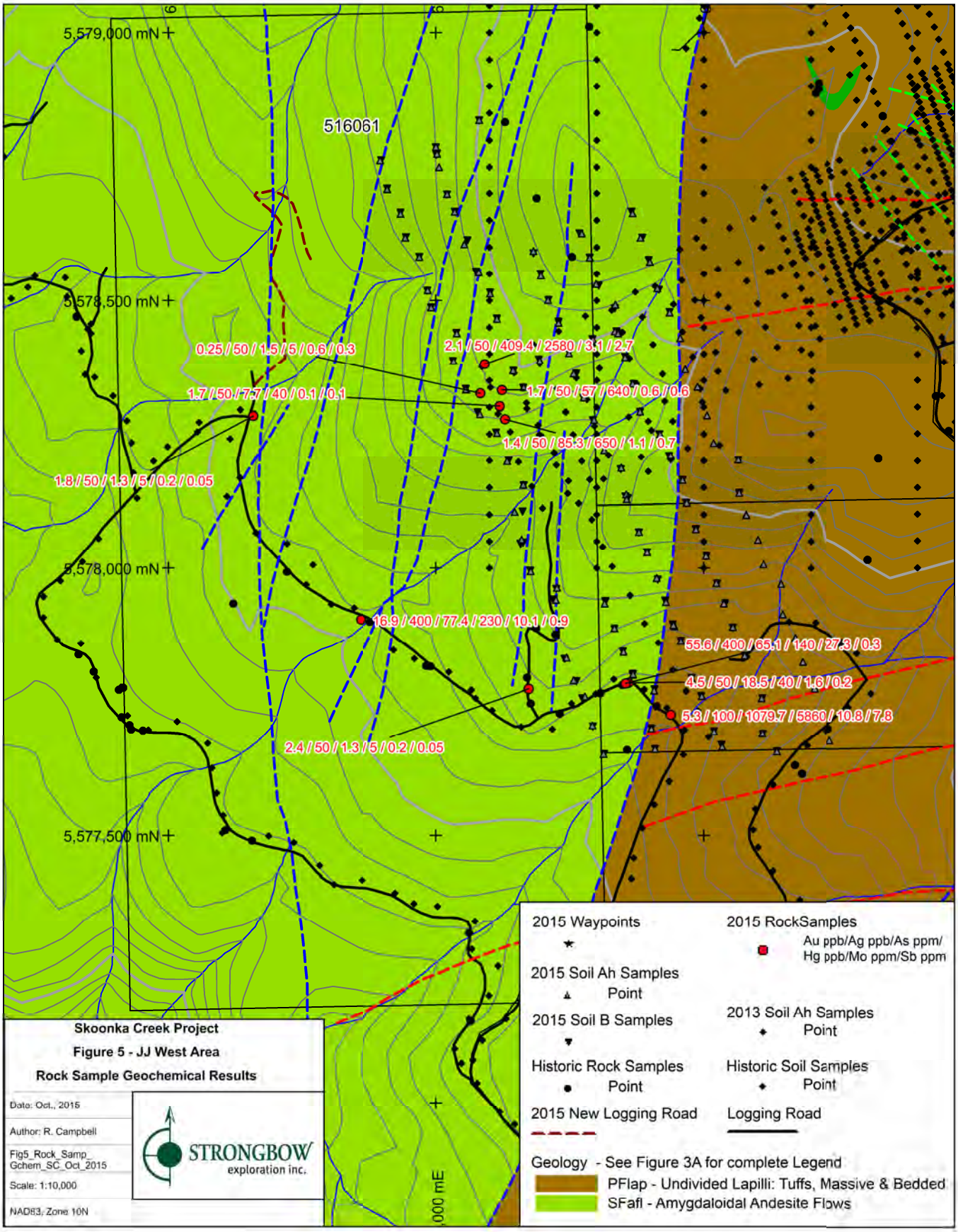
Two people focused on prospecting in the JJ West area over 4 days. The prospecting focused upon follow-up of historic soil geochemical anomalies (gold, arsenic, mercury, molybdenum and antimony) and exploring a new logging road extension (Figure 3B).

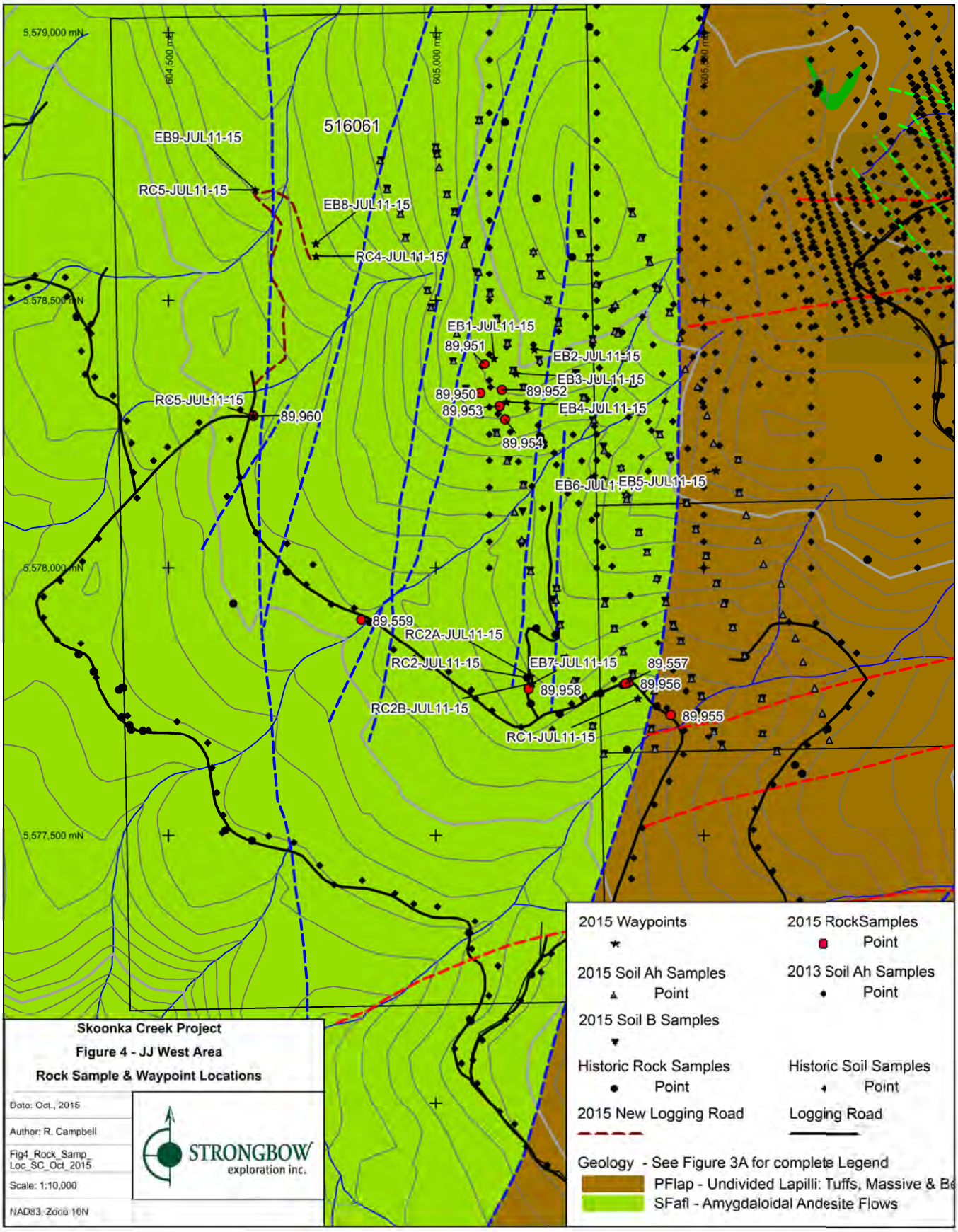
Eleven rock grab samples (89950 to 89960) were collected in the JJ West area and submitted for trace element geochemical analyses (Figure 4). Nine of theses samples represent float samples while sample 89950 was collected from outcrop and sample 89951 was collected from subcrop. Rock sample geochemical results for gold, silver, arsenic, mercury, molybdenum and antimony are shown on Figure 5. The lab certificates with a complete record of the geochemical results are presented in Appendix II.

One of the ten samples, 89960, was collected and submitted for whole rock and REE analysis as well as trace element analyses (total rock characterization analytical package, Bureau Veritas). Most of these rock sample returned low gold values, typically less than 6 ppb Au.

Sample 89957 returned 55.6 ppb, the highest gold rock value of the 15 rock samples, and included elevated to weakly anomalous silver (0.4 ppm), arsenic (65.1 ppm) and molybdenum (27 ppm). This sample was a composite of two pieces of highly altered (limonitic) float; one with quartz veinlets displaying weak banding and the second massive in appearance. Sample 89957 is located immediately down slope (~95 m) of a 2013 soil Ah arsenic and molybdenum anomalies and approximately 60 m west of the Spius and Pimainus Formations contact. (Spius side). The 2015 soil samples in the immediate area of this sample are not anomalous.

Sample 89955, located approximately 100 m southeast of sample 89960, returned only 5.3 ppb gold, however it is strongly anomalous in arsenic (1,079.7 ppm), mercury (5,860 ppb) and antimony (7.8 ppm). The sample was a composite of two float pieces of moderately to strongly altered andesite (limonite, bleaching/sericite) with quartz occurring in irregular


5,579,000 mN
516061
5,578,500 mN
0.25 / 50 / 1.5 / 5 / 0.6 / 0.3
2.1 / 50 / 409.4 / 2580 / 3.1 / 2.7
1.7 / 50 / 7.7 / 40 / 0.1 / 0.1
1.7 / 50 / 57 / 640 / 0.6 / 0.6
1.4 / 50 / 85.3 / 650 / 1.1 / 0.7
1.8 / 50 / 1.3 / 5 / 0.2 / 0.05
5,578,000 mN
16.9 / 400 / 77.4 / 230 / 10.1 / 0.9
55.6 / 400 / 65.1 / 140 / 27.3 / 0.3
4.5 / 50 / 18.5 / 40 / 1.6 / 0.2
5.3 / 100 / 1079.7 / 5860 / 10.8 / 7.8
2.4 / 50 / 1.3 / 5 / 0.2 / 0.05
5,577,500 mN
2015 Waypoints
2015 RockSamples
Au ppb/Ag ppb/As ppm/
Hg ppb/Mo ppm/Sb ppm
2015 Soil Ah Samples
Point
2015 Soil B Samples
2013 Soil Ah Samples
Point
Historic Rock Samples
Point
Historic Soil Samples
Point
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows
Skoonka Creek Project
Figure 5 - JJ West Area
Rock Sample Geochemical Results
Date: Oct., 2015
Author: R. Campbell
Fig5_Rock_Samp_Gchem_SC_Oct_2015
Scale: 1:10,000
NAD83; Zone 10N
STRONGBOW
exploration inc.


5,579,000 mN
604,500 mE
605,000 mE
605,500 mE
516061
EB9-JUL11-15
RC5-JUL11-15
EB8-JUL11-15
RC4-JUL11-15
5,578,500 mN
EB1-JUL11-15
89,951
EB2-JUL11-15
EB3-JUL11-15
89,950
89,952
89,953
EB4-JUL11-15
RC5-JUL11-15
89,960
89,954
EB6-JUL1
EB5-JUL11-15
5,578,000 mN
89,559
RC2A-JUL11-15
RC2-JUL11-15
EB7-JUL11-15
89,557
89,956
89,958
RC2B-JUL11-15
89,955
RC1-JUL11-15
5,577,500 mN
Skoonka Creek Project
Figure 4 - JJ West Area
Rock Sample & Waypoint Locations
Date: Oct., 2015
Author: R. Campbell
Fig4_Rock_Samp_Loc_SC_Oct_2015
Scale: 1:10,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Waypoints
2015 RockSamples Point
2015 Soil Ah Samples Point
2013 Soil Ah Samples Point
2015 Soil B Samples
Historic Rock Samples Point
Historic Soil Samples Point
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Be
SFafl - Amygdaloidal Andesite Flows

veinlets and drusy cavities. The geochemical signature (in particularly the high mercury and antimony) is indicative of an origin from an epithermal system.

Samples 89957 and 89955 were found in ditches along the forestry road cut and it is interesting to note that these two samples straddle the Spius and Pimainus Formation contact. In addition an easterly trending normal fault, a potential control for JJ zone type mineralization, is immediately south of sample 89955.

The soil and till cover in the area of samples 89957 and 89955 is extensive and probably fairly thick. Additional prospecting to locate similar quartz altered rock is warranted but will require detailed work and scavenging for rock or boulders under cover, overturned tree wells and along the road cut embankments. The creek valley located immediately to the south of sample 89955 warrants detailed prospecting, particularly in the up slope direction but should be traversed to the southwest as well (Figure 4) . Hand or mechanical trenching might be considered as a means of exposing boulders or possibly outcrop.

Sample 89959, located along the forestry road 400 m southwest of the main JJ West soil sample area, returned 16.9 ppb gold, as well as elevated to weakly anomalous silver (400 ppb), arsenic (77.4 ppm) and molybdenum (10.1 ppm). The sample consisted two pieces of a highly altered, rusty brown volcanic rock with minor disseminated pyrite cut by quartz 1.5 to 2 cm thick quartz veins and quartz vein breccia (Figure 4, Appendix III). Sample 89959 is located down slope (~400 m) of a 2013 multi-element soil anomaly. The area from extending approximately 400 m upslope from sample 89559 to the JJ West soil grid and associated soil geochemical anomalies is covered be extensive overburden but should be prospected in detail. The creek valley and creek bed adjacent to sample 89559 and extending northeastwards up to the JJ West soil sampling area should be the main priority area to focus upon but prospecting should cover as much of the surrounding area as feasible.

Three of five rock samples (89951, 89952 and 89954) collected in the area of the 2015 JJ West Soil sampling returned elevated to anomalous results in arsenic (57 to 409.3 ppm), mercury (2.58 ppm) and antimony (2.7 ppm) but only low gold results (Figure 4). These rocks may be related to anomalous arsenic and antimony in the soil samples of the JJ West area. Sample 88951 (409.4 ppm arsenic, 2580 ppb mercury, 3.1 molybdenum and 2.7 ppm antimony) consists of moderately to strongly limonitic andesite and was collected from broken subcrop near a very strong arsenic in soil anomaly (162.8 ppm), which lends credence to the hypothesis that arsenic soil anomalies in the JJ West may be associated with this rock type. The anomalous trace element signature is indicative of origin from an epithermal system. Samples 89952, 89953 and 89954 display variable include minor amounts of quartz stringers and limonite alteration. Elevated values of arsenic (85.2 ppm), mercury (650 ppb) molybdenum (1.1 ppm) also occur in some these samples. Although the associated gold values are low, in light of the trace element anomalies associated with these samples, consideration should be given to trenching in the area to expose the subcrop and outcrop, determine the extent and degree of alteration and whether there are more significant signs of quartz veining or silica alteration associated with outcrop. The

overburden cover is thin in the immediate area of some of these samples, which would be amenable to hand trenching.

The whole rock analyses of sample 89950 returned a SiO2 value of 53.38%, reflecting an intermediate composition and confirms the andesite volcanic classification assigned to the rocks by the prospectors.

4.3 Prospecting Porphyry Area

A crew of two prospectors traversed most of the porphyry over one day. Four rock grab samples (89961 to 89964) were collected and submitted for trace element geochemical analyses (Figure 6). Three of the four samples are float samples. One sample (89964) was collected from outcrop for whole rock analyses.

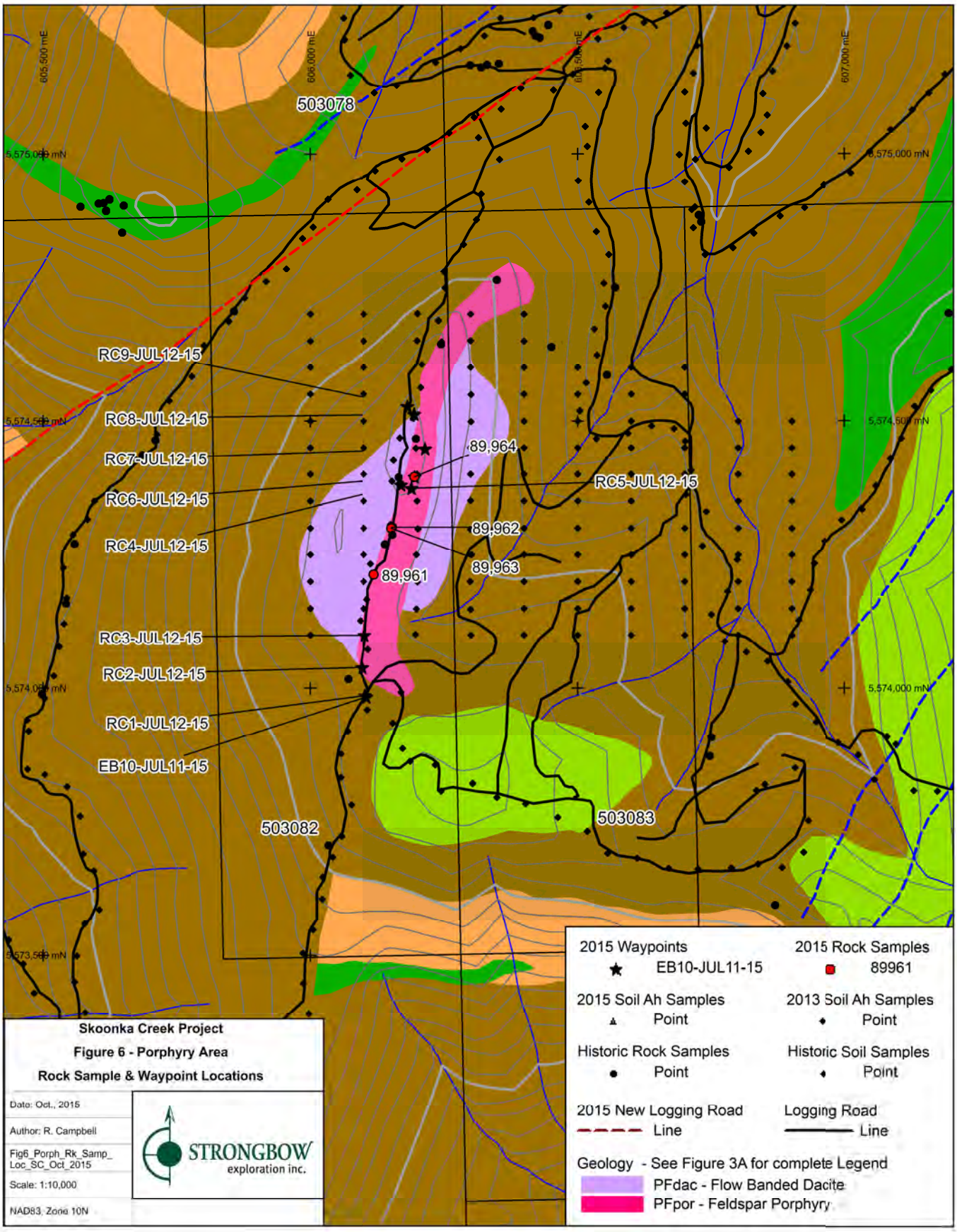
Rock sample geochemical results for gold, silver, arsenic, mercury, molybdenum and antimony are shown on Figure 7. There were no significant gold or associated trace element geochemical results returned from the four rock samples submitted for geochemical analyses. The lab certificates with a complete record of the geochemical results are presented in Appendix II.

It was noted while prospecting that there was a noticeable increase in limonitic altered float in the areas where historic arsenic in soil anomalies occur. The anomalous arsenic in soil areas were also to some extent associated with topographic depressions, with thicker overburden cover, that cross cut the porphyry. It is possible these depressions could be related to crosscutting structures, and coincident limonitic alteration related to the arsenic in soil anomalies.

Overall there were no indications of significant zones of quartz or silica alteration that could be indicative of epithermal gold mineralization other than the thing quartz stringer zone (waypoint RC7-JUL12-15, Figure 5) noted in the 2013 exploration program (Campbell, 2013)

Two fault or shear zones were noted at waypoints RC8-JUL12-15 and RC9-JUL12-15 (Figure 5, Appendix III). The shear zone at RC8-JUL12-15 cuts the porphyry (or dacite?) outcrop over that is exposed over a length of approximately 2 m and is oriented at 230º/46ºW. The shear zone measured at waypoint RC9-JUL12-15 is located on an outcrop of Pimainus Formation rock approximately 20 m to the northwest. This shear zone is also exposed over a length of about 2 m and is orientated at 132º/75º S. An overburden covered gully separates the two shear zones and obscures the contact between the porphyry (dacite?) and Pimanus outcrops. Minor hematite, chlorite and minor argillic alteration are associate with the shear zones but there are no indications or quartz veining or silica alteration.

The whole rock analyses of sample of the porphyry (89964, Figure5) returned a SiO2 value of 54.54% which indicates the porphyry is intermediate composition, equivalent to an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503078
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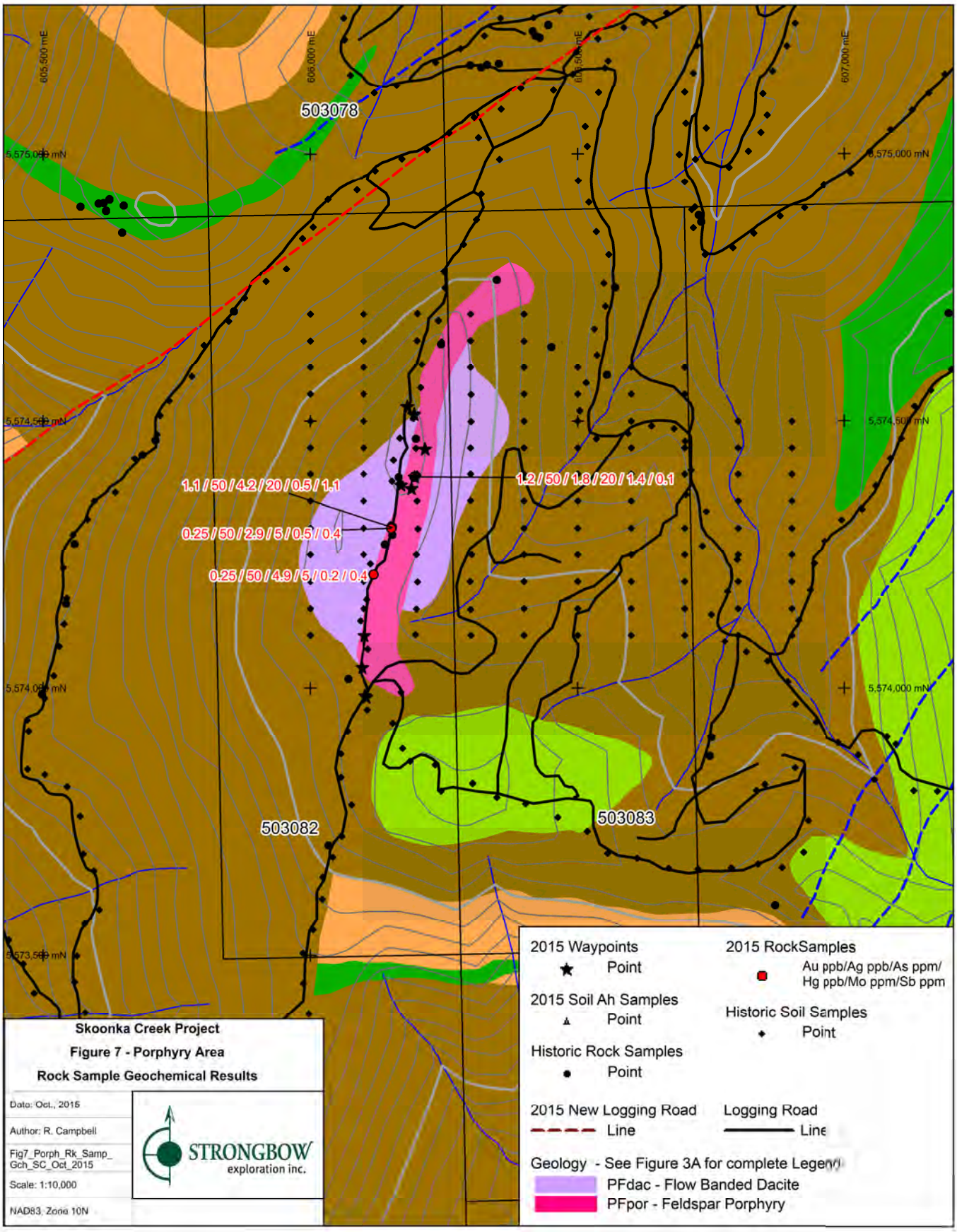
RC9-JUL12-15
RC8-JUL12-15
RC7-JUL12-15
RC6-JUL12-15
RC4-JUL12-15
RC3-JUL12-15
RC2-JUL12-15
RC1-JUL12-15
EB10-JUL11-15
89,964
RC5-JUL12-15
89,962
89,963
89,961
503082
503083
Skoonka Creek Project
Figure 6 - Porphyry Area
Rock Sample & Waypoint Locations
Date: Oct., 2015
Author: R. Campbell
Fig6_Porph_Rk_Samp_Loc_SC_Oct_2015
Scale: 1:10,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Waypoints
EB10-JUL11-15
2015 Rock Samples
89961
2015 Soil Ah Samples
Point
2013 Soil Ah Samples
Point
Historic Rock Samples
Point
Historic Soil Samples
Point
2015 New Logging Road
Line
Logging Road
Line
Geology - See Figure 3A for complete Legend
PFdac - Flow Banded Dacite
PFpor - Feldspar Porphyry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503078
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1.1 / 50 / 4.2 / 20 / 0.5 / 1.1
1.2 / 50 / 1.8 / 20 / 1.4 / 0.1
0.25 / 50 / 2.9 / 5 / 0.5 / 0.4
0.25 / 50 / 4.9 / 5 / 0.2 / 0.4
503082
503083
2015 Waypoints
Point
2015 RockSamples
Au ppb/Ag ppb/As ppm/
Hg ppb/Mo ppm/Sb ppm
2015 Soil Ah Samples
Point
Historic Soil Samples
Point
Historic Rock Samples
Point
2015 New Logging Road
Line
Logging Road
Line
Geology - See Figure 3A for complete Legend
PFdac - Flow Banded Dacite
PFpor - Feldspar Porphyry
Skoonka Creek Project
Figure 7 - Porphyry Area
Rock Sample Geochemical Results
Date: Oct., 2015
Author: R. Campbell
Fig7_Porph_Rk_Samp_Gch_SC_Oct_2015
Scale: 1:10,000
NAD83, Zone 10N
STRONGBOW
exploration inc.

andesite volcanic rock. Comparison of the porphyry whole oxide results (89964) to the volcanic whole rock oxide results (89950) indicates that the porphyry is slightly lower in Al2O3 (16.51% versus 18. %) and Fe2O3 (6.68% versus 8.07%) but otherwise nearly identical in terms of whole rock oxide composition.

In summary no significant signs of epithermal style alteration were noted while prospecting the porphyry area and the rocks collected for geochemical analyses did not return significant gold or other trace element results.

4.4 Soil Sampling

A total of 119 soil Ah horizon (soil Ah) samples and 103 soil B horizon (Soil B) samples were collected from the JJ West area. (Map 1)

The objectives of the soil sampling program were:

i. Provide a more detailed soil Ah sample coverage over the JJ West area as a follow-up to a 2013 soil Ah orientation survey line that returned multi-element elevated to anomalous values of Au, As, Hg, Mo and-Sb.
ii. Collect soil B samples at the same stations as the soil Ah sample in order to compare the effectiveness of the methods and sensitivity to individual trace elements

The soil sample program was designed to collected samples at a nominal spacing of approximately 50 m along five north-northwest (~340 degrees) lines space approximately 100 m apart. The sample lines encompassed the 2013 soil Ah soil sample line with a slight overlap at the southern end, in part due to a slightly difference in sample line orientation. No formal sample grid was established on the ground. A theoretical map grid was established and the samplers generally navigated from one sample site compass sighting aiding by a hand held GPS to guide them to the sample point.

The metadata from the soil sampling are presented in Appendix IV. The lab certificates with a complete record of the geochemical results are presented in Appendix II. Sample locations are shown on Map 1. Soil sample results for gold, silver, arsenic, mercury, molybdenum and antimony are presented on Maps 2 to 7 respectively.

4.3.1 Comparison of Soil Ah and Soil B Samples Results

Tables 2 and 3 show the 50%, 70th%, 90th%, 95th% and 97.5%, cut-offs for the 2015 Soil B horizon data and 2013 & 2015 Soil Ah data respectively, however, note that three 2013 Ah samples from the JJ mineralized area were excluded from the percentile calculations because the very high values in those samples skewed the percentile upward. The percentiles calculated without the three samples from the JJ mineralized area are more representative of background values and hence better suited for interpreting what may be anomalous values.

Table 2: Soil B Horizon Percentile Cut-offs

COMPILED 2015 SOIL B PERCENTILES							
n=103	**Element**	**Au**	**Ag**	**As**	**Hg**	**Mo**	**Sb**
	Unit	**ppb**	**ppb**	**ppm**	**ppb**	**ppm**	**ppm**
	50%	0.30	49.0	3.80	48	0.68	0.20
	70%	0.64	68.0	6.64	60	0.78	0.27
	90%	1.40	104.4	14.62	81	1.11	0.43
	95%	1.60	143.9	21.02	123	1.28	0.50
	97.50%	2.38	158.9	28.92	130	1.47	0.54

Table 3: Soil Ah Horizon Percentile Cut-offs

COMPILED 2013 & 2015 SOIL Ah PERCENTILES EXCLUDING 3 JJ ZONE MINERALIZED ZONE SAMPLES							
n=180	**Element**	**Au**	**Ag**	**As**	**Hg**	**Mo**	**Sb**
	Unit	**ppb**	**ppb**	**ppm**	**ppb**	**ppm**	**ppm**
	50%	0.60	49.0	2.40	159	1.03	0.24
	70%	1.00	71.3	3.00	257	1.26	0.30
	90%	2.12	154.3	6.32	417	1.80	0.41
	95%	3.71	282.0	7.91	464	2.25	0.52
	97.50%	8.78	316.8	9.14	535	2.52	0.57

Comparing the percentile cut-off from the soil B and soil Ah data is evident that the soil Ah sample generally returns higher gold values that are higher by a factor of 2 to 3 than the soil B sample. Silver percentiles are the same at the median to 905 level but more than twice as high in the soil Ah compared to the soil B at the 95% and 97.5% cut-offs. Arsenic levels are much lower in the soil Ah. Mercury is much higher in the soil Ah. Molybdenum is also higher in the soil Ah but not to the degree that mercury, silver and gold are. Antimony levels are practically the same, which may in part be due to the generally low levels of antimony in the soil that are close to the detection level.

These results suggest that the soil Ah sample may be a more useful medium for detecting gold, silver, mercury and molybdenum while the soil B medium picks up arsenic much better.

In general the rocks collected to date in the JJ West area have returned only low gold values even when accompanied by minor to moderate quartz vein breccia and associated limonitic alteration, however, these features are evidence for an epithermal type system in the area. The majority of the samples are float samples the source

4.3.2 Discussion of Soil Ah and Soil B Samples Results

The soil sample results did not outline a large area of strongly anomalous metals but do include several anomalous results in multiple pathfinder elements (gold, silver, arsenic, mercury, molybdenum and antimony) that will be briefly highlighted in the following discussion. For the purposes of this discussion the term "elevated" will be used to describe results that fall between the 70th and 90th percentile and the term "anomalous" will refer to values that are equal or greater than the 90th percentile as per Tables 2 and 3.

a. Sample 89935 Anomaly

The highest gold value amongst all 2015 soil samples was a value of 122 ppb returned from a soil Ah sample 89935 (Map 1 and Map 2). Elevated arsenic (3.1 ppm), molybdenum (1.39 pm) and antimony (0.42 ppm) were also returned from sample 89935. The sample is located near the south end of the soil survey limits, very close to the contact between the Pimainus and Spius Formations, and the intersection with an interpreted east-west trending early-normal fault. The proximity to this fault may be significant because it is forms the northern fault boundary of what could be a graben like structure (a sub parallel normal vault 150 m to the south forms the southern boundary of the interpreted graben structure). The JJ gold mineralization is located in exactly the same structural setting and it is believed that the JJ zone normal fault-graben structure played a significant role in the formation of the JJ gold mineralization. Most of the samples in the immediate area around sample 89935 did not return anomalous values, however the 2013 soil Ah sample 89602, located approximately 100 m to the north east, returned anomalous gold (6.1 ppb) and molybdenum (1.8 ppm) and elevated silver (101 ppb). The soil B samples in the general area of the same normal fault that sample 89935 occurs on include one elevated gold value (1.3 ppb) and four anomalous values (ranging from 1.5 to 2.2 ppb) (Map 2). Other pathfinder trace element values returned from soil samples in the same general area as sample 89935 and the easterly trending normal fault are listed in point form as follows:

- Silver (Map 3).: 2 elevated soils Ah values (148 and 152 ppb), and four anomalous soil B results (153 to 184 ppb)
- Arsenic (Map 4): several elevated soil Ah values (3.1 to 4.9 ppb), two anomalous soil Ah values (6.7 and 14.6 ppm), three elevated soil B values (7.3 to 13.5 ppm) and two anomalous soil B values (17 and 21.3 ppm).
- Mercury (Map 5): three elevated soil Ah results (264 to 286 ppb), three anomalous soil Ah results (443 to 568 ppb), three elevated soil B results (62 to 77 ppb) and several anomalous soil B results (116 to 186 ppb).
- Molybdenum (Map 6): five elevated soil Ah values (1.53 ppm to 1.74 ppm), four anomalous soil Ah values (2.19 to 2.43 ppm), 2 elevated soil B values (0.89 and 0.96 ppm) and six anomalous soil B values (1.11 to 1.57 ppm)
- Antimony (Map 7): three elevated soil Ah values (0.30 to 0.32 ppm), two anomalous soil Ah values (0.40 to 0.42 ppm), four elevated soil B values (0.31 to 0.37 ppm) and four anomalous soil B values (0.37 to 0.55 ppm).

The general area where these elevated to anomalous gold and pathfinder trace elements occur is predominantly around and along a creek valley that trends around 060 degrees, upstream to the east. This trend also parallels the early normal faults. Additional works is warranted in this area and should focus on an east-west trending corridor beginning approximately 200 m north of the normal fault and extending south to the property limits. Prospecting and mapping should be conducted in areas of soil geochemical anomalies and all along the easterly trending normal fault and adjacent creeks. The soil sampling grid should be filled in where holes exit in the current sample coverage and extended along the projected corridor of the normal fault and graben structure in both east and west directions.

b. Sample 89852 Anomaly

The second highest gold value from the 2015 soil sampling is 33.4 ppb returned from sample 89852 (Map 1). This sample is located above Spius Formation rocks and approximately 150 m west of the Spius and Pimainus formations contact. There is a previously identified gold in soil anomaly located approximately 150 m to the west-northwest of sample 89852 that returned anomalous gold values of 48.8 ppb in the soil B horizon and 28 ppb Au in the soil Ah horizon (Map 2). Furthermore, located approximately 60 m to the southwest of 89852 there is an historic soil B horizon samples that retuned 16 ppb gold. Elevated to anomalous pathfinder elements associated with sample 89852 results include 6.5 ppm arsenic, 365 ppb mercury and 0.54 ppm antimony. The soil B sample (89853) collected at the same location returned an anomalous gold value (16.4 ppb) as well as elevated arsenic (12.5 ppm), elevated molybdenum (78 ppm) and anomalous antimony (0.50 ppm). Immediately west and about 60 m down slope of sample 89852 there are three historic soil B samples that returned 4.1 to 16.6 ppb gold.

Other pathfinder trace element values returned from soil samples in the same general area as sample 89852 are listed in point form as follows:

- Silver (Map 3): three elevated soil Ah values (84 to 129 ppb), and two elevated soil B values (101 to 120 ppb). Note that the silver values for the historic soil B samples (black diamond shapes on Map 3), which appear to be very high locally, should be ignored because of a high minimum detection level (100 ppb) and a problem with the silver values reported in this historic data that cannot be resolved
- Arsenic (Map 4): three elevated soil Ah values (3.5 to 6.3 ppm), five anomalous soil Ah values (8.1 to 16.1 ppm), two elevated soil B values (8.9 and 14.1 ppm) and six anomalous historic soil B samples (16.5 to 164 ppm). Note the lack of anomalous arsenic in soil B samples in this area in contrast to the generally higher historic soil B samples suggests the different data sets may require levelling to be comparable.
- Mercury (Map 5): three elevated soil Ah values (339 to 382 ppb), two anomalous soil Ah values (438 to 483 ppm), three elevated soil B values (66 to 80 ppb) and two anomalous soil B values (101 and 132 ppb).

- Molybdenum (Map 6): two elevated soil Ah values (1.62 to 1.25 ppm), three anomalous soil Ah values (1.02 to 1.95 ppm), two elevated soil B values (0.87 to 1.02 ppm) and one anomalous soil B value (1.38 ppm).
- Antimony (Map 7): one elevated soil Ah value (0.36 ppm), six anomalous soil Ah values (0.45 to 0.69 ppm), four elevated soil B samples (0.27 to 0.36 ppm) and one anomalous soil B value (0.50 ppm)

The geochemical anomaly associated with sample 89852 is in an area where soil sample coverage is good and there is not much room for additional sampling. The sample notes (Appendix IV) indicate that the sample is with a few metres away from a boulder field. Prospecting of the boulder field would be in order as a follow up of the 89852 soil anomaly.

c. Sample 90052 Anomaly

Soil Ah sample 90052, located in a creek valley in the northeast most area of the 2015 sample program, returned the 3rd highest gold value (22.4 ppb) of the 2015 soil sampling program (Map 1, Map 2). The sample occurs over Spius Formation rocks and within 40 m of the Spius Formation contact with the Pimainus Formation. The other path finder trace elements associated with sample 90052 are not elevated or anomalous. A gold value of 3.7 ppb was returned from another soil Ah sample (89870) that is located approximately 100 m to the southwest of 90052. There are no elevated silver or arsenic values in the nearby samples. Elevated mercury, molybdenum and antimony values occur in nearby samples and are noted in point form below:

- Mercury (Map 5): four elevated values in soil Ah samples (284 to 370 ppb).
- Molybdenum (Map 6): Three elevated values in soil Ah samples (1.41 to 1.67 ppm), two anomalous values in soil Ah samples (2.16 to 2.18 ppm) and three elevated values in soil B samples (0.86 to 0.89 ppm)
- Antimony (Map 7): One elevated value in soil Ah (0.31 ppm).

The geochemical anomaly surrounding sample is not extensive and clearly less robust than the geochemical results associated with sample 89935 and 89852. The location the gold anomaly is favourable because it is directly west of the JJ zone mineralization and proximal to the Pimainus Formation contact. Historic soil sample coverages continues eastward to the JJ zone, however, these samples are all derived from the soil B horizon. Consideration should be given to extending the soil Ah sample coverage eastwards towards the JJ zone and to the north and northeast where sample coverage is sparse.

d. Northwest Arsenic Anomaly

A final area of interest occurs along the north part of the western most line of 2015 soil samples. A continuous series of eight 2015 soil B samples along this line (starting at 89005 at the south end and continuing to 89650 at the north end) display anomalous arsenic values ranging from 6 to 33.2 ppm. Five of the soil Ah samples along the same line of samples

also returned elevated to anomalous arsenic values (4 to 16.1 ppm). The south and middle portion of this sequence of samples are just east of several historic B soil samples that are also anomalous in arsenic (8.4 to 162.8 ppm). In general the other pathfinder elements are not consistently elevated in the eight 2015 soil B samples along this line. Antimony is the element that shows the most elevated to anomalous complimentary values including four soil Ah samples ranging from 0.32 to 0.88 ppm and five soil B samples with values ranging from 0.30 to 0.51 ppm (Map 7). Mercury is also elevated to anomalous along this line including four elevated soil Ah samples (315 to 399 ppb), two anomalous soil Ah samples (419 and 549 ppb) and elevated in two 2015 soil B samples (60 and 71 ppb) (Map 5).

These samples are all located near the top of the mountain where there are outcrops of strongly weathered but unmineralized (at least on surface) volcanic rocks. It is possible that the weathering of the outcrop upslope may be influencing the soil geochemistry through down slope dispersion of the weathered rock material, however, there are weathered outcrops in other parts of the JJ West sampling area where the soil geochemistry does not display enhanced values. The un-sampled area to the west of this line warrants soil sampling to determine whether these results mark the edge of a larger and stronger soil geochemically anomaly.

5.0 CONCLUSIONS & RECCOMENDATIONS

Three rock samples (89951, 89952 and 89954), collected in the JJ West Area and nearby surrounding area, returned anomalous trace elements (up to 409.4 ppm arsenic, 2580 ppb mercury, 3.1 ppm molybdenum and 2.7 ppm antimony) that are indicative of epithermal type mineralization. Hand trenching should be conducted to expose and evaluate the bedrock where rock sample 89952 was collected.

Anomalous soil geochemistry (including all previous soil samples: up to 184 ppb gold, 21.3 ppm arsenic, 568 ppb mercury, 2.43 ppm molybdenum, 0.55 ppm antimony) and two quartz altered rock samples (89955 and 89957) with strongly anomalous geochemistry (up to 55.6 ppb gold, 1,079.7 ppm arsenic, 5860 ppb mercury 27 ppm molybdenum and 7.8 ppm antimony) are located in the south part of the JJ soil sampling and associated with a interpreted easterly trending normal fault corridor and graben structure. The structural setting of this area is similar to the JJ mineralized zone. Further work is warranted in this area and should include prospecting, hand or mechanical trenching and infill and extension of the soil sampling.

Prospecting and additional soil sampling should be considered to extend coverage westward from the current JJ West soil sampling to the forestry road located downslope as well as the area of the northward extension of that forestry road. Additional prospecting and mapping in the area of the forest road extension is also warranted as is detailed prospecting of the two creeks that extend northeast from the forestry road to the current JJ West soil sampling area.

Rock samples collected from the porphyry area did not return significant gold or other

pathfinder trace element values. The northern end of the porphyry area has not been prospected and offers a low priority target area for further work.

Duplicate sampling of the soil B and soil Ah horizons was undertaken at most of the soil stations. Comparison of results from the two sample mediums indicates that in general the soil Ah medium produces up a stronger signal in gold, silver, mercury and molybdenum compared to the soil B medium and the soil B sample medium produces a stronger arsenic signal. Antimony results for the two soil Ah and Soil B duplicate samples are comparable. Ideally, future soil sampling would utilize both sample mediums, however if this is not possible the selected sample medium should be guided by an evaluation of the topographic features and quality of the soil mediums locally.

The 2015 soil sampling program did not identify major gold anomaly however four areas of interest were noted.

Soil Ah sample 89935 located in proximity to the easterly normal fault, which was already discussed in relation to rock samples 89955 and 89957, returned the highest anomalous gold (122.5 ppb) of the 2015 soil sample program. The sample site should re-sampled to replicate the anomalous result because a rerun of the sample pulp returned a less than detection limit result. The analytical procedure should consist of analysis of a 0.5 g, 15g and 30 g split to try to determine whether a gold "nugget effect" may be occurring in the soil sample medium.

Soil Ah sample 89852 returned the second highest gold value (33.4 ppb) of the 2015 soil sampling program. Elevated to anomalous pathfinder trace elements associated with 89852 and surrounding samples indicate some follow-up work in this area is warranted. A boulder field close to the sample site should be prospected.

Soil Ah sample 90052 returned the third highest gold value (22.4 ppb) of the 2015 soil sample program. The sample is located on the northeast margin of the JJ West soil sampling area and overlaps with historic soil B sampling grid that extends from the JJ mineralized zone. Consideration should be given to extending the Ah soil sample eastwards to compare the Ah results with the historic B samples and extending soil sample coverage to the northeast where soil sample coverage is lacking.

Soil B samples from eight consecutive station along the northwest part of the 2015 soil survey area returned anomalous arsenic values ranging from 6 ppm to 33.2 ppm. Anomalous mercury and antimony values are present in some of the eight samples. The un-sampled area to the west of this line of the JJ Wet warrants soil sampling to determine whether these results mark the edge of a larger and stronger soil geochemically anomaly.

6.0 PERSONNEL AND CONTRACTORS

Personnel	Type of Work	Address
Robert Campbell	Geological Consultant-Project Management, supervision and reporting	Burnaby, BC
Arthur Kidston	Geologist	North Vancouver, BC
Ayaka Shiroki	Geologist	Burnaby, BC
Cam McKay-Stotesbury	Geologist-Sky Pilot Exploration Ltd.	Squamish, BC
Ed Balon	Prospector	North Vancouver, BC
Collin Bateman	Assistant Geologist	Victoria, BC
Vladislav Zhuk	Assistant Geologist	Richmond, BC
Alana Haysom	Geologist	North Vancouver, BC

7.0 STATEMENT OF COSTS

Notes:
Fieldwork commenced on July 13th and ended July 20th, 2015

Items	**Days**	**Rate per day**	**Subtotal Costs**	**Description**
Robert Campbell - P. Geo.	10.7	$600.00	$6,420.00	Project management, planning, supervision, prospecting, soil sampling and reporting
Arthur Kidston	10.0	$400.00	$4,000.00	Geologist and soil sampler
Ayaka Shiroki	9.0	$400.00	$3,600.00	Geologist and soil sampler
Cam McKay-Stotesbury	2.0	$400.00	$800.00	Geologist and Prospector
Ed Balon	6.5	$500.00	$3,250.00	Prospector
Collin Bateman	7.0	$275.00	$1,925.00	Assistant geologist and soil sampler
Vladislav Zhuk	6.0	$250.00	$1,500.00	Assistant geologist and soil sampler
Alana Haysom	0.5	$400.00	$200.00	Geologist GIS support
		Sub-Total	**$21,695.00**	
Geochemical Analysis				
Bureau Veritas Commodities Canada			$2,373.46	VAN15001706 (soil Ah samples119 soil and 4 pulp samples
Bureau Veritas Commodities Canada			$2,062.74	VAN15001707 (soil B samples 119 soil and 4 pulp samples
Bureau Veritas Commodities Canada			$373.89	VAN15001708 (rock samples)15 rock samples
Bureau Veritas Commodities Canada			$16.40	VAN15001706R (soil Ah rerun)
		Sub-Total	**$4,826.49**	
Other Expenses		**Sub-Total**	**$7,819.32**	Accommodation (Totem Motel, Lytton, BC), food, field supplies, equipment rental (chainsaws), truck rental x 2, travel expenses to project and miscellaneous expenses
Documentation and Report Writing	6.0	**Sub-Total**	**$3,687.97**	Report writing, office costs & filing
Total Expenditures not including PAC withdrawal			**$38,028.78**	
PAC Account Withdrawal		**Total**	**$16,288.58**	As per MTO Event No. 5562651
GRAND TOTAL INCLUDING PAC WITHDRAWAL			**$54,375.36**	

8.0 STATEMENT OF QUALIFICATIONS

I, Robert M. Campbell of Burnaby BC do certify that:

1. I have been conferred with the academic degrees of Honours Bachelor of Science – Geology from the University of Toronto in1991.

2. I have been engaged as an exploration geologist throughout Canada since 1989, more recently including full time employment with Strongbow Exploration Inc. from 2002 to 2010. Since 2010 I have been actively employed as consulting geologist.

3. I am a member of the Association of Professional Geoscientists of BC (Registration #27878).

4. I am currently working as a consulting geologist in mineral exploration and was employed by Strongbow Exploration Inc. for the preparation, execution and reporting of the field work reported herein.

5. I am the author of this report and to the best of my knowledge believe that all the data presented herein fairly represents the exploration work completed on the Skoonka Property, BC in July 2015.

5. The costs related to the exploration program reported herein and submitted on behalf of Strongbow Exploration Inc. through the British Columbia Mineral Titles Online services (re: Mine Permit No. MX-4-392) were incurred while carrying out exploration in July 2015 on the Skoonka Property, BC.

Dated in Burnaby British Columbia this 12th day of October 2015.

Robert M. Campbell, P. Geo., B.Sc.

9.0 REFERENCES

Balon, E.A. 2005. 2004 Geochemical, Prospecting and Physical Work Report, SAM property (SAM 1-10 Claim Group). Kamloops Mining Division, Lytton-Spences Bridge Area, British Columbia. 18p.

Banfield, S.N. and Mountjoy, K.J. 1997. http://www.em.gov.bc.ca/mining/geolsurv/minfile/mapareas/92iswcov.htm

Campbell, R. 2014. 2013 Report On Exploration Activities Prospecting & Soil Sampling Skoonka Creek Property, (Claims: 503067, 503071, 503075, 503076, 503078, 503082 to 503085, 503087-503091, 515980). Kamloops Mining Division Lytton-Spences Bridge Area, BC. Strongbow Exploration Inc. February 26th, 2014, 28p.

Chang, F. and Gale, D., 20087. 2007 Report on exploration activities prospecting, mapping, geochemistry, geophysics, and drilling, Skoonka Creek property (claims: 503067, 503071, 503075, 503076, 503078, 503082 to 503085, 503087-503091, 515980). Kamloops Mining Division Lytton-Spences Bridge Area. Strongbow Exploration Inc. March 8, 2008, 65p.

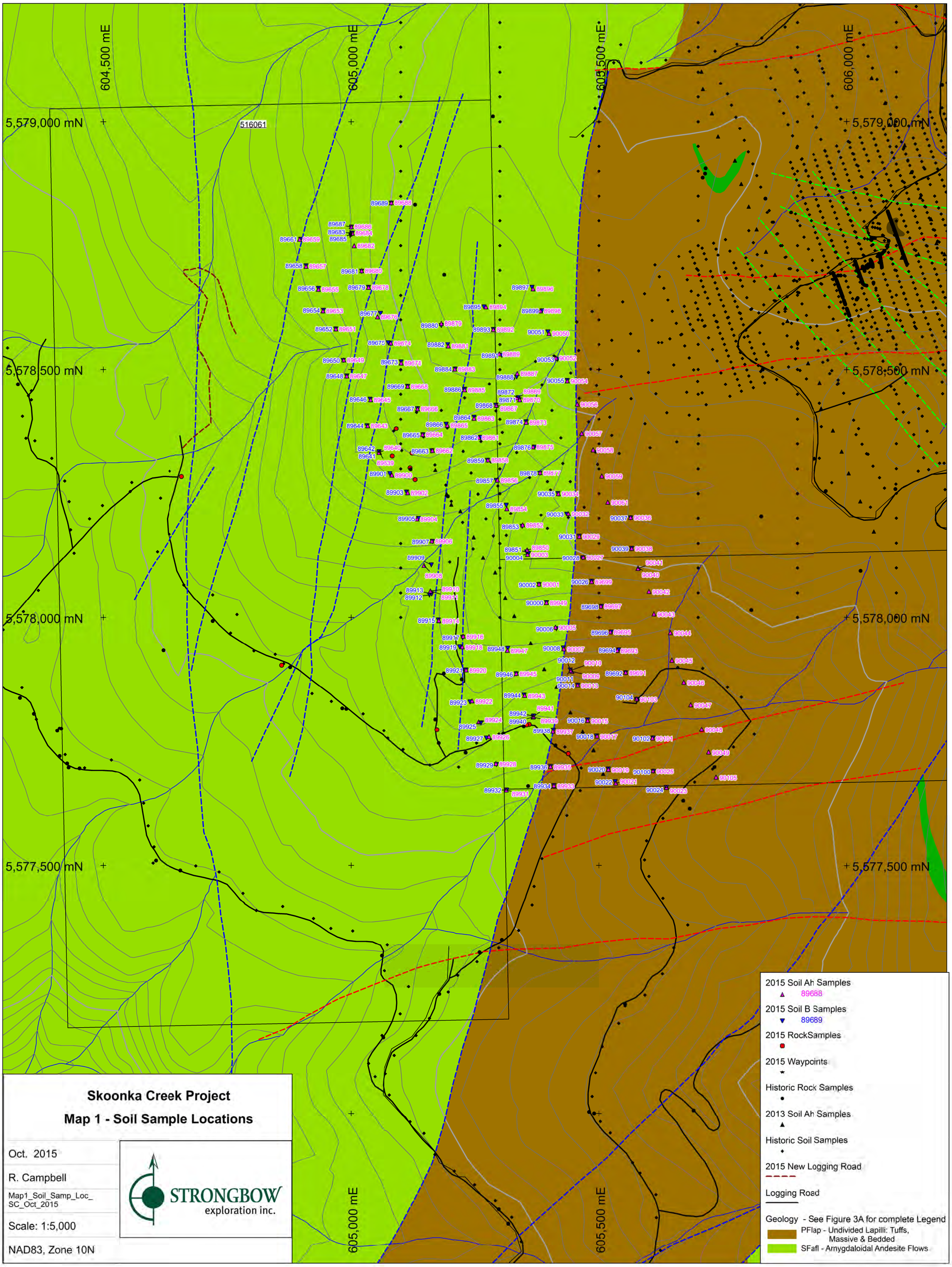
Cooley, M.A. 2006. Geology of the Skoonka Creek Project Area, Internal Report for Strongbow Exploration Inc., 9p.

Cooley, M.A. Leatherman, L., and Stretch, G.W. 2007. Revised interpretation of Skoonka Creek area geology based on detailed mapping during June and July, 2007. Internal Report for Strongbow Exploration Inc., 5p.

Kelman, M. 2007. 2007 Core Relogging Summary and Petrographic Descriptions, Internal Report for Strongbow Exploration Inc.. 40p.

Teck Resources Ltd. Annual Information Form, 2013. Available Online at SEDAR: http://www.sedar.com/DisplayCompanyDocuments.do?lang=EN&issuerNo=00001787. 107 p.

Thorkelson, D.J. 1986. Volcanic stratigraphy and petrology of the mid-cretaceous Spences Bridge Group near Kingsvale, southwestern British Columbia; M.Sc. Thesis, University of British Columbia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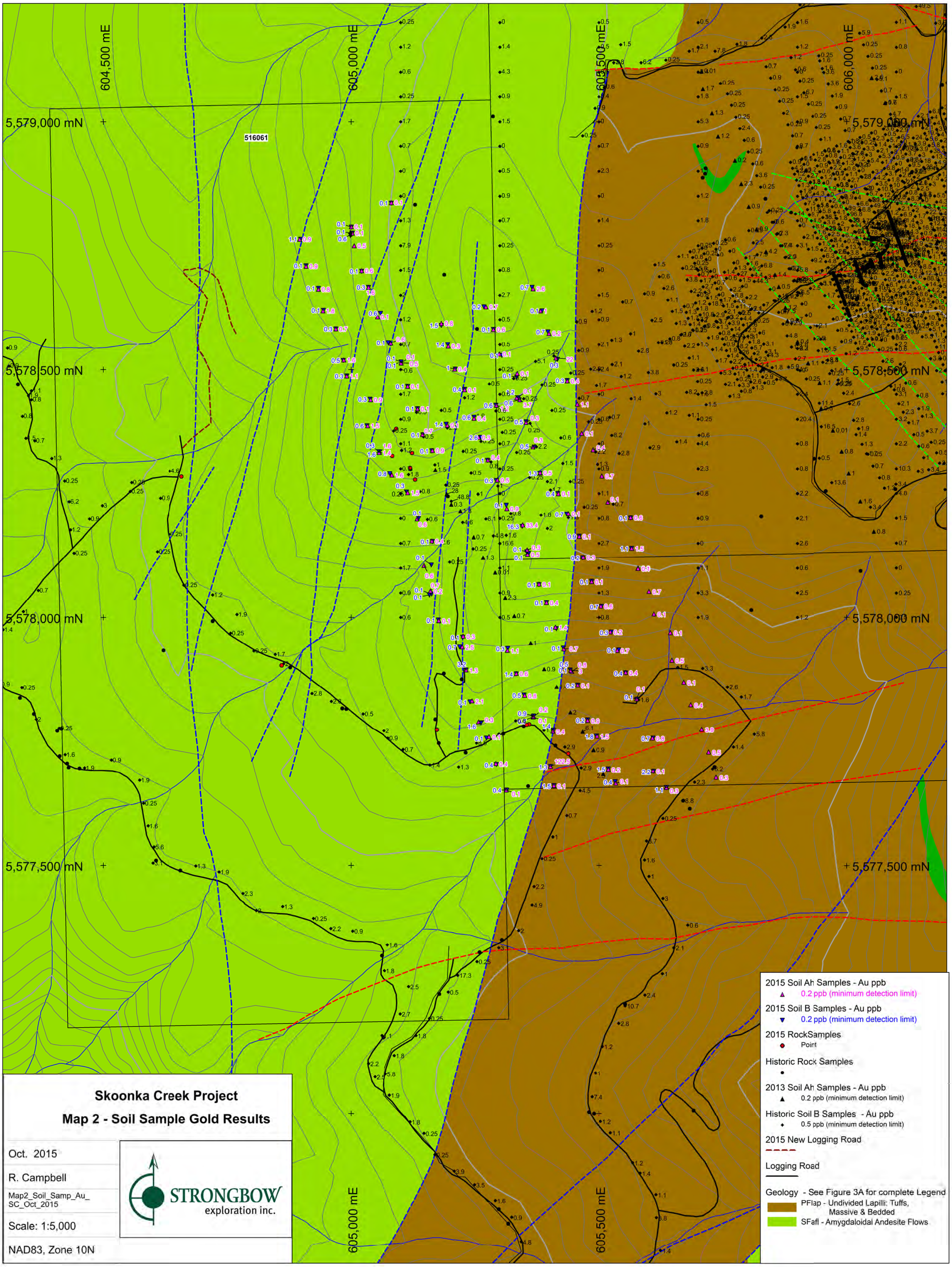
516061
Skoonka Creek Project
Map 1 - Soil Sample Locations
Oct. 2015
R. Campbell
Map1_Soil_Samp_Loc_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples
89688
2015 Soil B Samples
89689
2015 RockSamples
2015 Waypoints
Historic Rock Samples
2013 Soil Ah Samples
Historic Soil Samples
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows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5,579,000 mN
5,578,500 mN
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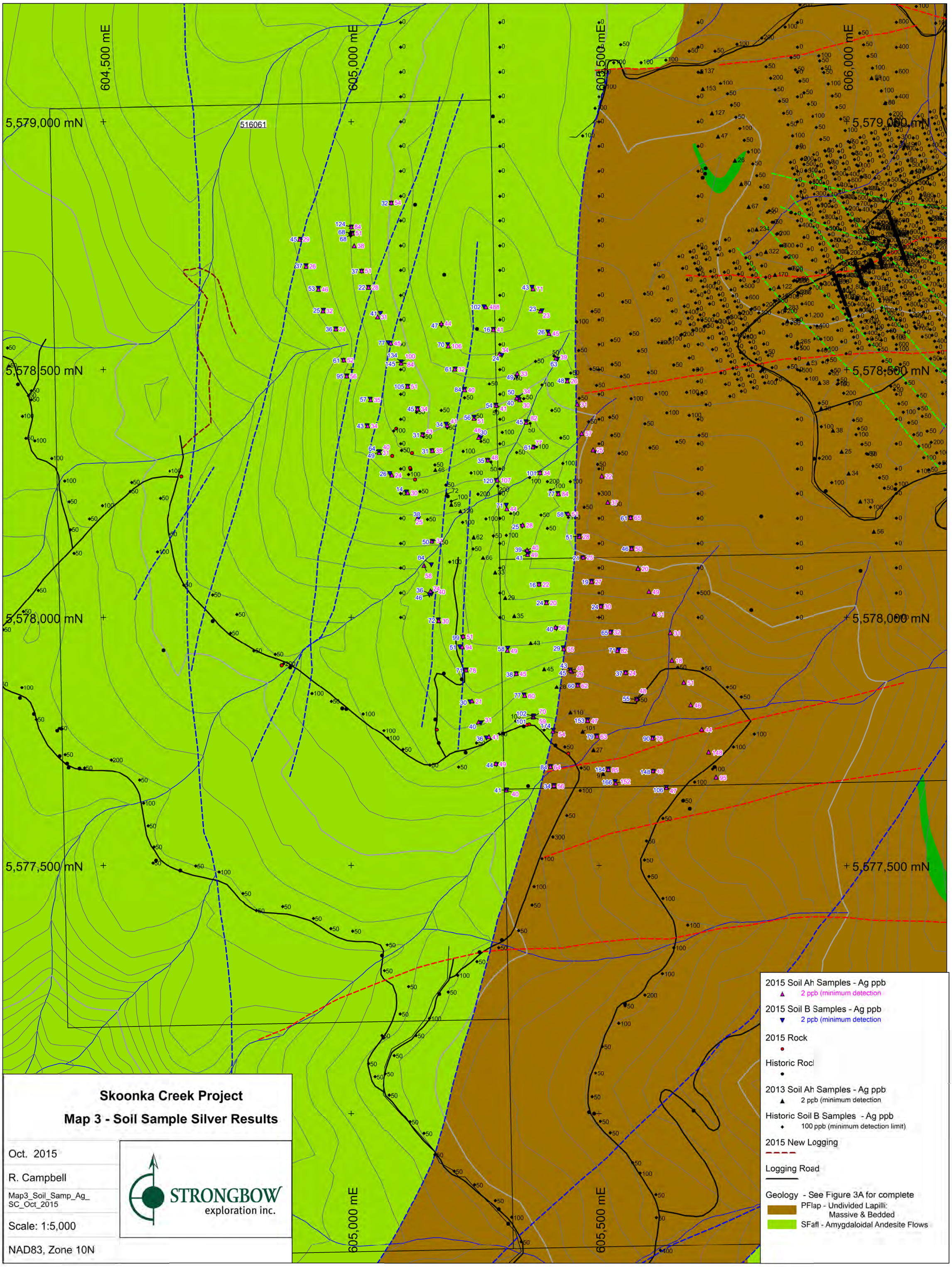
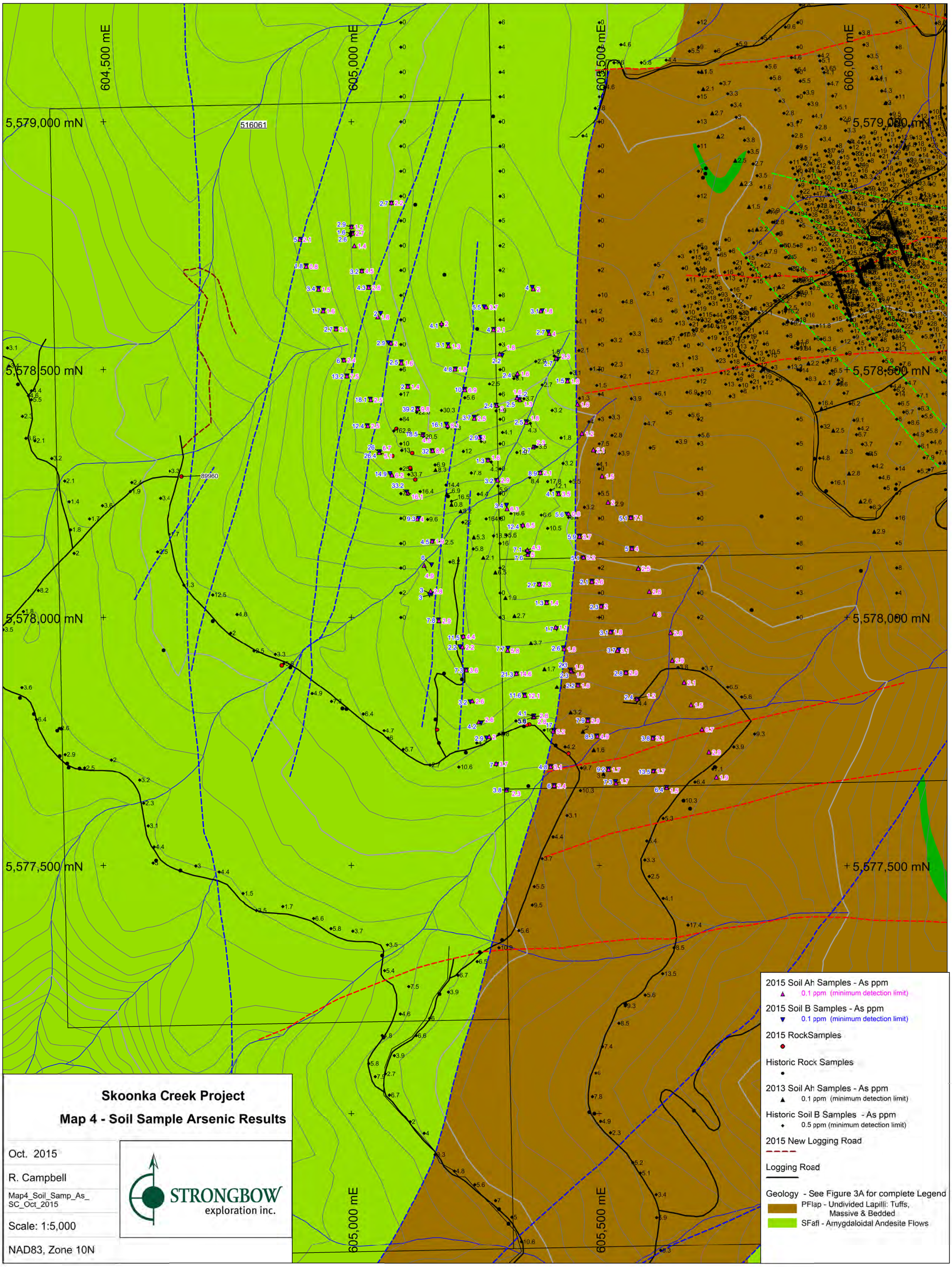
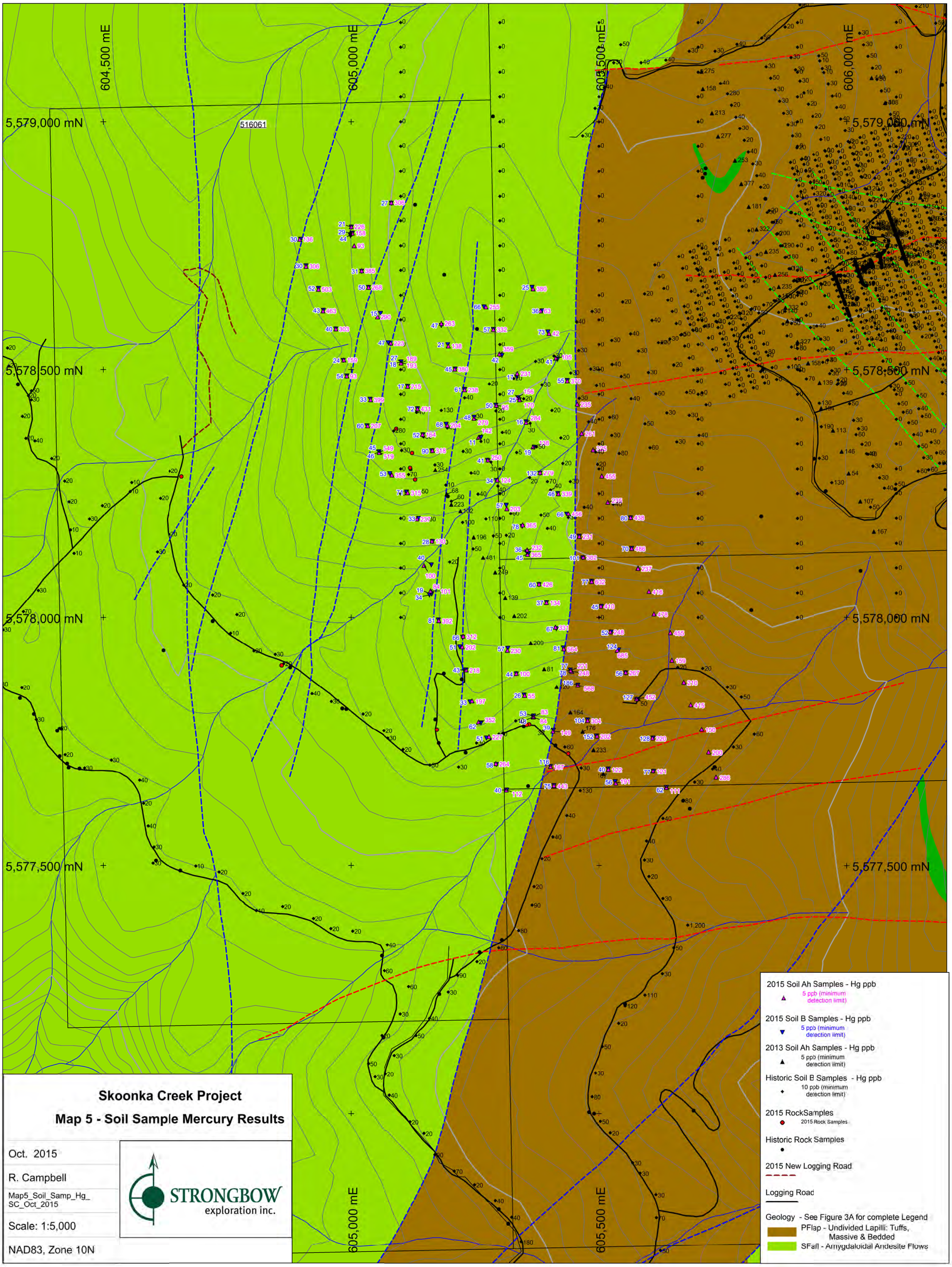
516061
Skoonka Creek Project
Map 2 - Soil Sample Gold Results
Oct. 2015
R. Campbell
Map2_Soil_Samp_Au_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - Au ppb
0.2 ppb (minimum detection limit)
2015 Soil B Samples - Au ppb
0.2 ppb (minimum detection limit)
2015 RockSamples
Point
Historic Rock Samples
2013 Soil Ah Samples - Au ppb
0.2 ppb (minimum detection limit)
Historic Soil B Samples - Au ppb
0.5 ppb (minimum detection limit)
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli; Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows


604,500 mE
605,000 mE
605,500 mE
606,000 mE
5,579,000 mN
5,578,500 mN
5,578,000 mN
5,577,500 mN
516061
Skoonka Creek Project
Map 3 - Soil Sample Silver Results
Oct. 2015
R. Campbell
Map3_Soil_Samp_Ag_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - Ag ppb
2 ppb (minimum detection
2015 Soil B Samples - Ag ppb
2 ppb (minimum detection
2015 Rock
Historic Rock
2013 Soil Ah Samples - Ag ppb
2 ppb (minimum detection
Historic Soil B Samples - Ag ppb
100 ppb (minimum detection limit)
2015 New Logging
Logging Road
Geology - See Figure 3A for complete
PFlap - Undivided Lapilli: Massive & Bedded
SFafl - Amygdaloidal Andesite Flows


604,500 mE
605,000 mE
605,500 mE
606,000 mE
5,579,000 mN
5,578,500 mN
5,578,000 mN
5,577,500 mN
516061
89960
Skoonka Creek Project
Map 4 - Soil Sample Arsenic Results
Oct. 2015
R. Campbell
Map4_Soil_Samp_As_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - As ppm
0.1 ppm (minimum detection limit)
2015 Soil B Samples - As ppm
0.1 ppm (minimum detection limit)
2015 RockSamples
Historic Rock Samples
2013 Soil Ah Samples - As ppm
0.1 ppm (minimum detection limit)
Historic Soil B Samples - As ppm
0.5 ppm (minimum detection limit)
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows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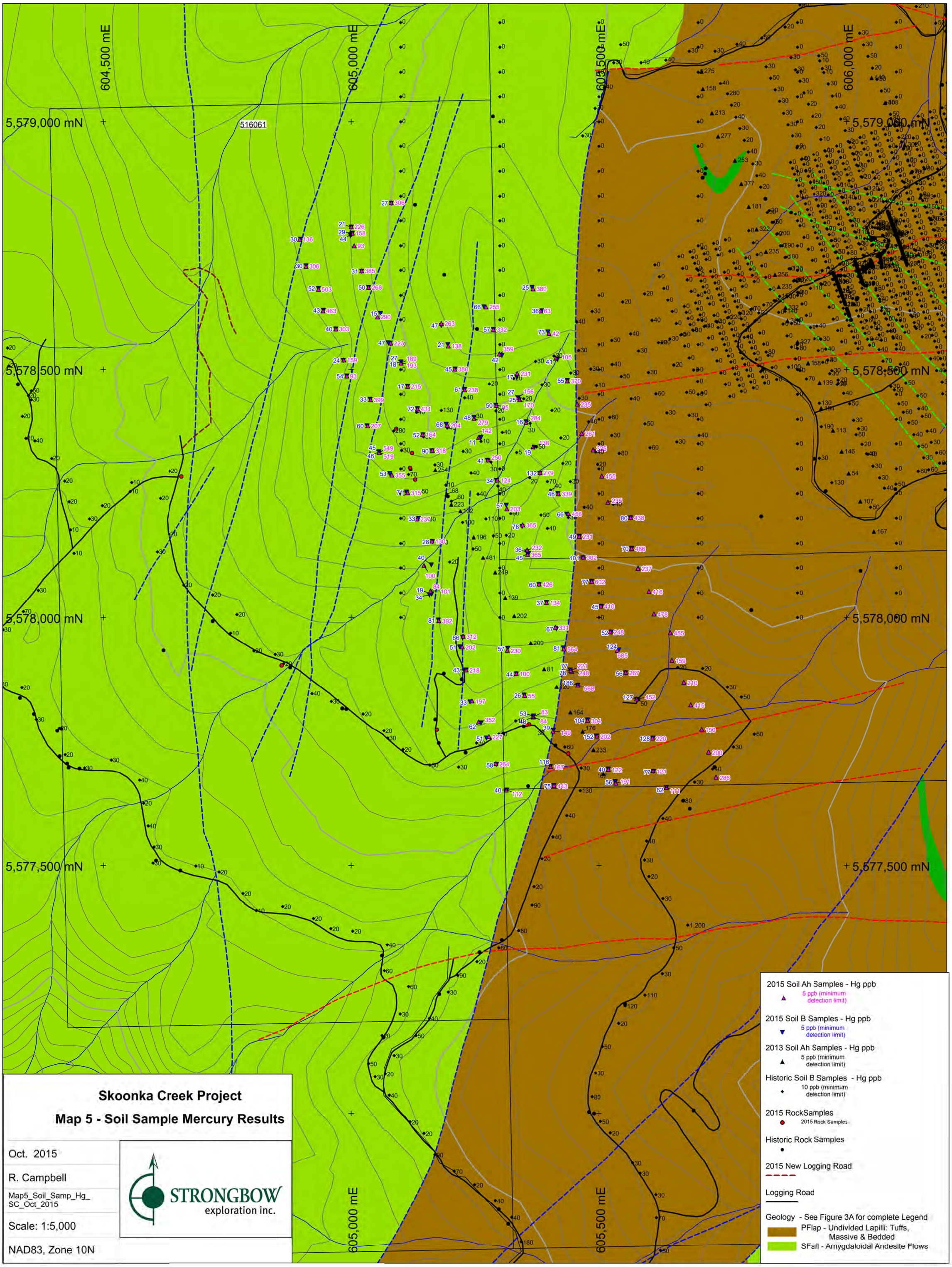
5,578,000 mN
5,577,500 mN
516061
Skoonka Creek Project
Map 5 - Soil Sample Mercury Results
Oct. 2015
R. Campbell
Map5_Soil_Samp_Hg_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - Hg ppb
5 ppb (minimum detection limit)
2015 Soil B Samples - Hg ppb
5 ppb (minimum detection limit)
2013 Soil Ah Samples - Hg ppb
5 ppb (minimum detection limit)
Historic Soil B Samples - Hg ppb
10 ppb (minimum detection limit)
2015 RockSamples
2015 Rock Samples
Historic Rock Samples
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows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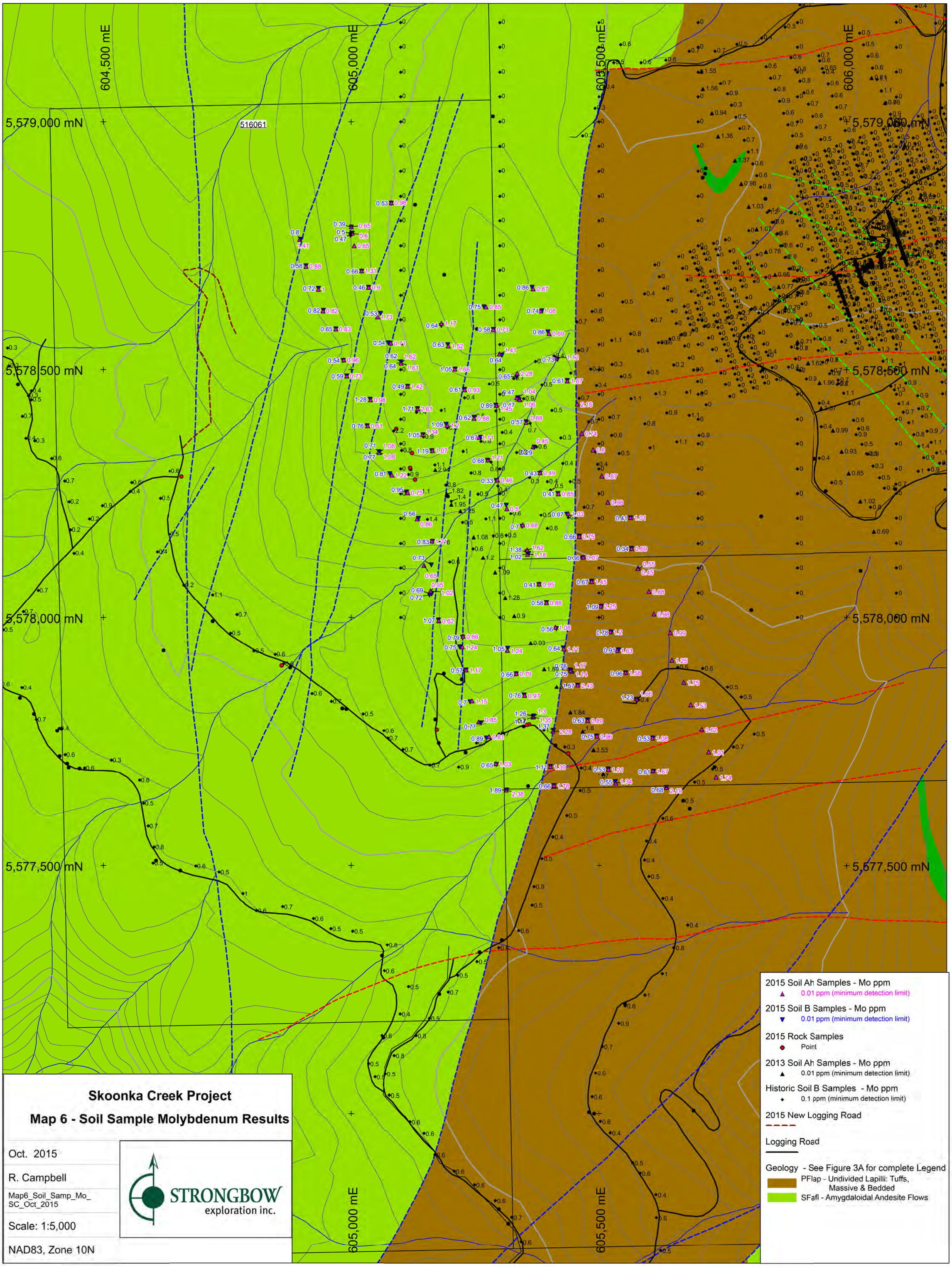
5,578,000 mN
5,577,500 mN
516061
Skoonka Creek Project
Map 5 - Soil Sample Mercury Results
Oct. 2015
R. Campbell
Map5_Soil_Samp_Hg_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - Hg ppb
5 ppb (minimum detection limit)
2015 Soil B Samples - Hg ppb
5 ppb (minimum detection limit)
2013 Soil Ah Samples - Hg ppb
5 ppb (minimum detection limit)
Historic Soil B Samples - Hg ppb
10 ppb (minimum detection limit)
2015 RockSamples
2015 Rock Samples
Historic Rock Samples
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows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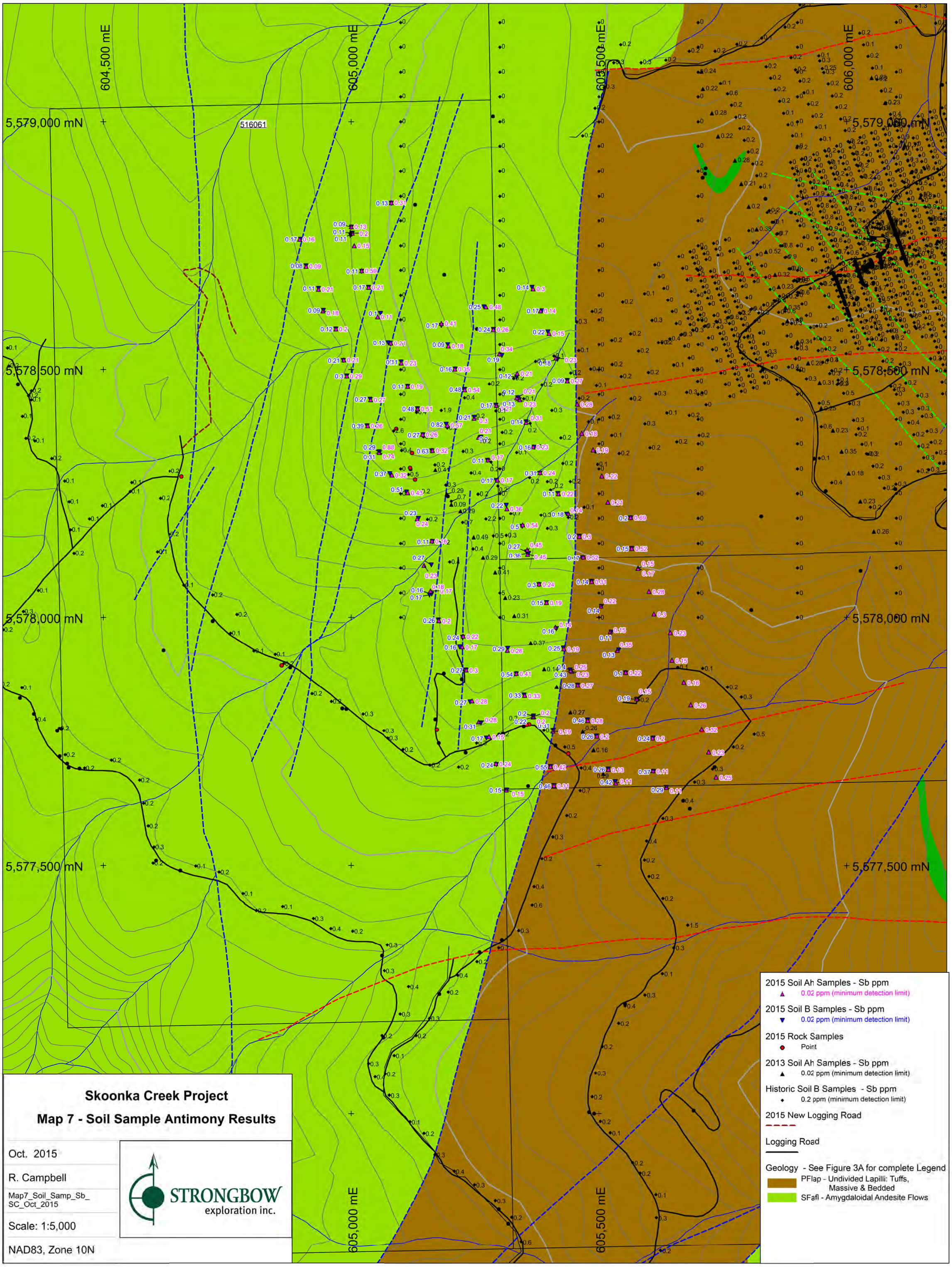
5,579,000 mN
5,578,500 mN
5,578,000 mN
5,577,500 mN
516061
Skoonka Creek Project
Map 6 - Soil Sample Molybdenum Results
Oct. 2015
R. Campbell
Map6_Soil_Samp_Mo_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - Mo ppm
0.01 ppm (minimum detection limit)
2015 Soil B Samples - Mo ppm
0.01 ppm (minimum detection limit)
2015 Rock Samples
Point
2013 Soil Ah Samples - Mo ppm
0.01 ppm (minimum detection limit)
Historic Soil B Samples - Mo ppm
0.1 ppm (minimum detection limit)
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows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5,577,500 mN
516061
Skoonka Creek Project
Map 7 - Soil Sample Antimony Results
Oct. 2015
R. Campbell
Map7_Soil_Samp_Sb_SC_Oct_2015
Scale: 1:5,000
NAD83, Zone 10N
STRONGBOW exploration inc.
2015 Soil Ah Samples - Sb ppm
0.02 ppm (minimum detection limit)
2015 Soil B Samples - Sb ppm
0.02 ppm (minimum detection limit)
2015 Rock Samples
Point
2013 Soil Ah Samples - Sb ppm
0.02 ppm (minimum detection limit)
Historic Soil B Samples - Sb ppm
0.2 ppm (minimum detection limit)
2015 New Logging Road
Logging Road
Geology - See Figure 3A for complete Legend
PFlap - Undivided Lapilli: Tuffs, Massive & Bedded
SFafl - Amygdaloidal Andesite Flows

APPENDIX I

Skoonka Creek Property

Bureau Veritas (Acme Labs) – Laboratory Procedures & Analytical Methods and OREAS 2Pd Certificate of Analysis

i. **Quality-Control2015.pdf**

ii. **Sample Preparation 2014_01.pdf**

iii. **AQ250 2014_01.pdf**

iv. **LF100_LF200_LF300 202014_01.pdf**

v. **AQ200**

vi. **TC000**

vii. **OREAS 2Pd.pdf**

Bureau Veritas Minerals

Quality Control

Definitions and Guidelines for the Interpretation of Quality Control

"Industry Leading Solutions for the Exploration & Mining Community"

BUREAU VERITAS MINERALS

Definitions and Guidelines for the Interpretation of Quality Control

At Bureau Veritas Minerals Laboratories (BVML) our core product is analytical data. Over many years, we have invested heavily in proprietary software and staff development to ensure that you get the highest quality data. BVML uses a detailed and comprehensive quality system to minimize errors and maximize the reliability of our analytical results. Now, with the integration of our systems into the Bureau Veritas Group of companies, we have a deeper pool of resources to continue to deliver you the service that you have come to expect. This system applies a tiered approach to the application of quality systems in our laboratories. These tiers are layered in the following manner:

1. ISO 9001 and 17025 documentation, training and standard operating procedures. This forms the framework of the application of each specific method in the laboratory.
2. The use of instrument calibration standards. These solutions are analyzed before any other solutions to establish the factors required to convert raw instrument data into concentration values.
3. QC validation solutions. These solutions are analyzed with client samples to validate each run and to confirm that each analytical run has been performed correctly. These are typically inserted immediately before and immediately after client sample solutions.
4. Reference materials, replicates and blanks. These samples are inserted into randomly assigned positions within each rack as generated by our proprietary LIMS system so that they are analyzed with the client solutions. Their purpose is to provide a final verification of the entire sample handling process. These samples are made up of the following categories:
    - Sample preparation blank;
    - Sample preparation replicate;
    - Analytical blank;
    - Analytical replicate;
    - Certified Reference Material (CRM);
    - Internal Reference Material (IRM).
5. Data review and validation. This is the final layer that is made up of sophisticated proprietary software and professional personnel reviewing the data. The following steps are applied;
    a. Software validation. Proprietary software is used to review the data for specific problems and to perform a series of rational checks upon the data. Data values are flagged and given specific colors, red for fail and amber for warning. Operators must take action on failures and log their actions.
    b. Rack level validation is performed by the instrument operator that analyzed the samples. At BVML, this person is a Chemist or other person with substantial and equivalent experience. This can only occur when the data has passed the software validation. The operator reviews the rack QC and validates the rack of samples if all QC samples pass.
    c. Method level validation. This validation is performed by the senior department Chemist. This review examines all racks analyzed by a specific method. Its purpose is to identify any trends or unusual results that are not apparent when only looking at a single rack of data.
    d. Final Job validation. This is performed by a Certified Assayer or equivalent senior person. This person has access to all the data from multiple analytical methods to check and compare. This is the person that ultimately signs the final certificate.

XRF in Vancouver

This document provides a detailed description of our application of Reference materials, Replicates and Blanks.

The Use of Analytical Blanks and Preparation Blanks

Two types of blanks are used in the sample analysis stream for drill and rock samples. The first is a preparation blank that is collected from the cleaning sand or rock used between each and every job to clean the crushing and pulverizing equipment prior to starting another client's samples. It also separates different jobs from the same client that may have been separated due to large differences in composition or grade. This blank appears as the first sample in each job, with results reported in the QC section of the certificate under the heading Prep Wash. The analytical results from this blank are used to monitor contamination during the preparation process. The second blank is an analytical blank which is inserted during analysis to monitor reagent contamination and is reported in the QC section of the certificate as BLK.

If the Client chooses to insert blank material, they must be previously certified by a minimum of 4 ISO 9001 accredited laboratories. The nominal maximum value for acceptance will be up to 1% of the preceding sample up to a maximum of 15ppb (preceding sample of 1,500ppb). For preceding samples above this range, additional cleaning rock must be run through equipment prior to these samples and repeat analysis will be at the cost of the client. In some cases, higher rates of contamination can occur. This is typically due to mineral types that contain higher levels of water of hydration (clay minerals). Our operators are trained to recognize this and use cleaning sand between such samples. Since this additional cleaning step carries an added cost, we do our best to contact the client to confirm these actions.

The Use of Replicates

BVML uses analytical and preparation replicates on drill samples to track reproducibility of the analytical and preparation processes. Data for both types of replicates is provided with each certificate at no charge. Replicate precision varies with concentration from 100% or greater error at or near the detection limit for the method, down to the method precision at concentrations greater than 10 times the detection limit.

If clients choose to submit blind replicates please note that replicates on drill samples may not meet the same reproducibility criteria as CRM's/IRM's because the drill samples may not be as homogeneous as an aggressively prepared and mixed standard.

The presence of native gold can also cause serious reproducibility problems. Where the presence of coarse gold is suspected, the parties should discuss more appropriate analytical and preparation techniques that can mitigate these problems.

The Use of Certified Standard Reference Materials (CRM's)

BVML uses CRM's whenever possible to track analytical accuracy and precision for each method. If a CRM is not available or is of such high cost that they are not practical, we will use internal reference materials (IRM's) that are either synthetically made or certified by performing round robin analyses by several ISO accredited laboratories. If an IRM is used, we routinely validate their concentrations using CRM's when they are available.

For concentrations above 10 times the detection limit expected geochemical exploration sample precision is 15% for methods such as AQ300 and MA300. Ore grade expected precision is 7% at levels greater than 10 times the detection limit for methods such as AQ370 and MA370. Exact precision is method, element and standard quality dependent, so acceptance criteria for individual standard and method combinations are determined on a minimum of 30 replicates measured during the course of routine analyses at a single laboratory. It should be noted that the expected precision for gold in methods such as Group 3 and Group 6 are difficult to predict due to the heterogeneous distribution of gold in many materials.

Client Field Replicates

Field replicate precision is a measure of the sampling process and natural variability within the sample media; they are not suited for determining analytical precision.

Client's Use of Blind or Hidden Internal Standards

BVML encourages and strongly recommends the use of blind client standards and we recognize that their use is an important component of project data evaluation and acceptance. It is our policy to reanalyze any sample batch that contains a failed customer standard, free of charge, under the following conditions;

- The client supplies us with the certification documentation for the standard or proof of certification parameters such as, but not limited to; method of analysis, number of participating laboratories, range of data in the round robin.
- Standards must come from an accredited manufacturer such as CANMET, CDN Labs, Ore Research, Rocklabs or WCM. Certification criteria/method of analysis should be considered before determining if a standard is applicable to a method.
- The analytical result falls outside 3 standard deviations of a population of no less than 30 values determined using a single analytical method (good laboratory practice indicates that 1 value between 2 and 3 SD's is acceptable, while 2 consecutive values will call for reanalysis).
  In the above description, BV Minerals refers to the standard deviation of values determined over the course of these minimum 30 routine analytical measurements at a single lab, and not the value quoted in the certification sheet for the standard. This definition includes error associated with both the analytical technique, as well as error in the certified value, and is therefore a robust measure of a CRM's performance under a particular set of analytical conditions. In addition, individual standard values that fall outside 3 standard deviations but still lie within the certified error of the material will not be considered to have failed QC validation and costs for requested repeat analyses will be borne by client.
- The failed standard is brought to our attention within 90 days of the initial reporting of the analytical results.If the reanalysis of a batch or rack is requested by the client due to a Standard failure and the only analytical result that changes significantly is the result for the Standard, the client will be charged for the reanalysis of the rack or batch as this indicates heterogeneity of the Standard itself. In addition, if both samples AND standards are unchanged upon reanalysis, the client will bear the cost of said reanalysis.

Some additional considerations should be noted;

- Variability of a standard material is additive to the analytical method error. Therefore, a poorly prepared standard will increase the total standard deviation realized.
- Selection of an appropriate standard that is both mineralogically and compositionally similar to the samples it is to be analyzed with is of critical importance.

If the standard has a different matrix then it would not be unusual if the only sample failing the performance criteria is the standard itself.

If the standard has a concentration that is not in a useful concentration range, then unexpected results can occur. For instance, if the concentration of the standard is too high, the laboratory may consistently reanalyze this standard under the assumption that the result is highly anomalous and therefore requires another check. This will waste money and time.

Determination of Method Confidence Limits to be Used for Pass/Fail Criteria

When referring to the Standard Certificate, neither the 95% confidence interval nor the standard deviation quoted in the certificate should be used to calculate control limits or to fail a batch of samples. The 95% confidence interval (normally appearing on the front page of a certificate) is a measure of the certainty of the accuracy of the recommended value. It does not relate to the expected precision during routine use. In addition, it does not account for variations controlled by the limitations imposed by a particular digestion method.

The control limits used to determine the passing or failing of batch data should be calculated from the data that is generated by the laboratory itself (see section "Client use of Blind or Hidden Internal Standards" above for details). Each laboratory provides Standards analyzed with each batch, for this purpose.

Whenever possible, the client should discuss their quality program with the laboratory prior to the start of the project. In this way, any difference in interpretation may be discussed and agreed to in advance.

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Sample Preparation

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

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

SOILS

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

ROCKS AND DRILL CORE

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

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

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

VEGETATION

VGMAS Plant material is dried then milled to 1mm

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

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

LF100, LF200, LF300

Package Description	Lithogeochemical Whole Rock Fusion
Sample Digestion	Lithium metaborate/tetraborate fusion
Instrumentation Method	ICP-ES (LF300, LF200), ICP-MS (LF200, LF100)
Legacy Code	4A, 4B and 4A4B
Applicability	Non-mineralized Rock and Drill Core

METHOD DESCRIPTION

Prepared sample is mixed with $LiBO_2/Li_2B_4O_7$ flux. Crucibles are fused in a furnace. The cooled bead is dissolved in ACS grade nitric acid and analyzed by ICP and/or ICP-MS. Loss on ignition (LOI) is determined by igniting a sample split then measuring the weight loss. Total Carbon and Sulphur may be included and is determined by the Leco method (TC003). The LF202 package includes an additional 14 elements from an aqua regia digestion AQ200 to provide Au and volatile elements which do not report as part of the LF200 package.

Element	LF300/LF200 Detection	Upper Limit
SiO_2	0.01 %	100 %
Al_2O_3	0.01 %	100 %
Fe_2O_3	0.04 %	100 %
CaO	0.01 %	100 %
MgO	0.01 %	100 %
Na_2O	0.01 %	100 %
K_2O	0.04 %	100 %
MnO	0.01 %	100 %
TiO_2	0.01 %	100 %
P_2O_5	0.01 %	100 %
Cr_2O_3	0.002%	100 %
Ba	5 ppm	5 %
LOI	0.1 %	100%
	LF300-EXT	
Ce	30 ppm	50000 ppm
Co	20 ppm	10000 ppm
Cu	5 ppm	10000 ppm
Zn	5 ppm	10000 ppm

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BUREAU VERITAS 1828 INSPECTORATE

LF100/LF200 Elements by ICPMS

Element	Detection Limit	Upper Limit
Be	1 ppm	10000 ppm
Ce	0.1 ppm	50000 ppm
Co	0.2 ppm	10000 ppm
Cs	0.1 ppm	10000 ppm
Dy	0.05 ppm	10000 ppm
Er	0.03 ppm	10000 ppm
Eu	0.02 ppm	10000 ppm
Ga	0.5 ppm	10000 ppm
Gd	0.05 ppm	10000 ppm
Hf	0.1 ppm	10000 ppm
Ho	0.02 ppm	10000 ppm
La	0.1 ppm	50000 ppm
Lu	0.01 ppm	10000 ppm
Nb	0.1 ppm	50000 ppm
Nd	0.3 ppm	10000 ppm
Ni	20 ppm	10000 ppm
Pr	0.02 ppm	10000 ppm
Rb	0.1 ppm	10000 ppm
Sc	1 ppm	10000 ppm
Sm	0.05 ppm	10000 ppm
Sn	1 ppm	10000 ppm
Sr	0.5 ppm	50000 ppm
Ta	0.1 ppm	50000 ppm
Tb	0.01 ppm	10000 ppm
Th	0.2 ppm	10000 ppm
Tm	0.01 ppm	10000 ppm
U	0.1 ppm	10000 ppm
V	8 ppm	10000 ppm
W	0.5 ppm	10000 ppm
Y	0.1 ppm	50000 ppm
Yb	0.05 ppm	10000 ppm
Zr	0.1 ppm	50000 ppm

AQ200 Add on Elements for LF202

Element	Detection Limit	Upper Limit
Ag	0.1 ppm	100 ppm
As	0.5 ppm	10000 ppm
Au	0.5 ppb	100000 ppb
Bi	0.1 ppm	2000 ppm
Cd	0.1 ppm	2000 ppm
Cu	0.1 ppm	10000 ppm
Hg	0.01 ppm	50 ppm
Mo	0.1 ppm	2000 ppm
Ni	0.1 ppm	10000 ppm
Pb	0.1 ppm	10000 ppm
Sb	0.1 ppm	2000 ppm
Se	0.5 ppm	100 ppm
Tl	0.1 ppm	1000 ppm
Zn	1 ppm	10000 ppm

AQ300, AQ200

Package Description	Geochemical aqua regia digestion
Sample Digestion	HNO3-HCl acid digestion
Instrumentation Method	ICP-ES (AQ300, AQ200), ICP-MS (AQ200)
Legacy Code	1D, 1DX
Applicability	Sediment, Soil, Non-mineralized Rock and Drill Core

METHOD DESCRIPTION:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO3 and DI H2O for one hour in a heating block or hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g are analyzed optional 15g or 30g digestion available for AQ200.

Element	AQ300 Detection	AQ200 Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au	-	0.5 ppb	100 ppm
B*^	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	-	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	50 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm

Element	AQ300 Detection	AQ200 Detection	Upper Limit
Na*	0.01 %	0.001 %	5 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S	0.05 %	0.05 %	10 %
Sb	3 ppm	0.1 ppm	2000 ppm
Sc	-	0.1 ppm	100 ppm
Se	-	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Te	-	0.2 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	5 %
Tl	5 ppm	0.1 ppm	1000 ppm
U*	8 ppm	0.1 ppm	2000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

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

Limitations:

Au solubility can be limited by refractory and graphitic samples.

TC000

Package Description	Carbon and Sulphur Analysis by Leco
Sample Digestion	Combustion
Instrumentation Method	LECO Carbon-Sulphur analyser
Legacy Codes	2A Leco
Applicability	Sediment, Soil, Rock and Drill Core

METHOD DESCRIPTION

TC001 Total C, TC002 Total S and TC003 C & S: Induction flux is added to the prepared sample then ignited in an induction furnace. A carrier gas sweeps up released carbon to be measured by adsorption in an infrared spectrometric cell. Results are total and attributed to the presence of carbon and sulphur in all forms.

TC005 Graphite C: Graphite carbon is determined by leaching samples with concentrated nitric acid followed by KOH and finally dilute HCl then analyzing the residue by Leco.

TC006 Inorganic C: Inorganic carbon is determined by directly measuring the CO2 gas evolved into the LECO analyzer when a prepared sample split is leached with perchloric acid.

TC008 Sulphate: Sulphate sulphur is determined by pre-igniting the prepared sample at 550^{o}C, then analyzing the residue by Leco.

By calculation the following are determined:

TC009 Sulphide: Sulphide Sulphur is determined by difference wherein: Sulphide S = Total Sulphur (TOT/S) – Sulphate Sulphur (IGN/S).

TC007 Organic C: Organic carbon content is determined by difference wherein: Organic Carbon = Total C – Inorganic (CO_2) Carbon – Graphite Carbon.

Code	Element	Detection Limit
TC001	Total C	0.02 %
TC005	Graphite C	0.02 %
TC007	Organic C	0.02 %
TC006	Inorganic C	0.02 %
TC002	Total S	0.02 %
TC008	Sulphate	0.05 %
TC009	Sulphide	0.05 %

Limitations:

The pyrolysis residual sulphur (2A14 - 550 ^{o}C) may be the best estimate of sulphate in the presence of minerals such as barite, alunite, and jarosite which are not dissolved in sodium carbonate and in the presence of orpiment and realgar, since these sulfide minerals are soluble in sodium carbonate.

Calculation determinations for the sulphide sulfur do not provide for the presence of elemental forms of sulphur.

TC000

Package Description	Carbon and Sulphur Analysis by Leco
Sample Digestion	Combustion
Instrumentation Method	LECO Carbon-Sulphur analyser
Legacy Codes	2A Leco
Applicability	Sediment, Soil, Rock and Drill Core

METHOD DESCRIPTION

TC001 Total C, TC002 Total S and TC003 C & S: Induction flux is added to the prepared sample then ignited in an induction furnace. A carrier gas sweeps up released carbon to be measured by adsorption in an infrared spectrometric cell. Results are total and attributed to the presence of carbon and sulphur in all forms.

TC005 Graphite C: Graphite carbon is determined by leaching samples with concentrated nitric acid followed by KOH and finally dilute HCl then analyzing the residue by Leco.

TC006 Inorganic C: Inorganic carbon is determined by directly measuring the CO2 gas evolved into the LECO analyzer when a prepared sample split is leached with perchloric acid.

TC008 Sulphate: Sulphate sulphur is determined by pre-igniting the prepared sample at 550^{o}C, then analyzing the residue by Leco.

By calculation the following are determined:

TC009 Sulphide: Sulphide Sulphur is determined by difference wherein: Sulphide S = Total Sulphur (TOT/S) – Sulphate Sulphur (IGN/S).

TC007 Organic C: Organic carbon content is determined by difference wherein: Organic Carbon = Total C – Inorganic (CO_2) Carbon – Graphite Carbon.

Code	Element	Detection Limit
TC001	Total C	0.02 %
TC005	Graphite C	0.02 %
TC007	Organic C	0.02 %
TC006	Inorganic C	0.02 %
TC002	Total S	0.02 %
TC008	Sulphate	0.05 %
TC009	Sulphide	0.05 %

Limitations:

The pyrolysis residual sulphur (2A14 - 550 ^{o}C) may be the best estimate of sulphate in the presence of minerals such as barite, alunite, and jarosite which are not dissolved in sodium carbonate and in the presence of orpiment and realgar, since these sulfide minerals are soluble in sodium carbonate.

Calculation determinations for the sulphide sulfur do not provide for the presence of elemental forms of sulphur.

APPENDIX II

Skoonka Creek Property

Laboratory Results

i. VAN15001706.1 (Soil Ah Horizon Samples)

ii. VAN15001706R.1 (Soil Ah Horizon Samples)

iii. VAN15001707.1 (Soil B Horizon Samples)

iv. VAN15001708.1 (Rock Samples)

BUREAU VERITAS MINERAL LABORATORIES Canada

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

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Submitted By: Ken Armstrong
Receiving Lab: Canada-Vancouver
Received: July 15, 2015
Report Date: August 12, 2015
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN15001706.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	3135-15-01
P.O. Number	3135
Number of Samples:	123

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DYAIR	119	Air dry samples (<40 Deg. C.)			VAN
SS80	119	Dry at 60C sieve 100g to -80 mesh			VAN
AQ250	123	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Strongbow Exploration Inc.
960 - 789 West Pender
Vancouver BC V6P 6E5
CANADA

CC: Robert Campbell

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89639	Soil	1.08	15.39	73.93	36.7	31	7.4	4.0	3828	0.45	5.1	<0.1	1.4	<0.1	138.8	0.36	0.74	0.27	11	1.53	0.084
89640	Soil	1.08	15.20	60.96	41.6	40	7.9	4.8	2873	0.63	6.7	0.1	1.6	<0.1	98.5	0.25	0.88	0.28	15	1.09	0.091
89643	Soil	0.51	18.15	42.35	68.2	34	7.3	3.7	2579	0.49	2.5	<0.1	1.5	<0.1	139.2	0.66	0.26	0.11	11	1.58	0.116
89645	Soil	0.98	14.25	36.81	39.9	35	6.9	3.4	1416	0.56	2.5	<0.1	0.9	<0.1	49.0	0.22	0.27	0.12	12	0.65	0.123
89647	Soil	0.73	38.43	11.34	88.9	56	19.7	12.0	1467	1.79	7.5	0.3	1.1	<0.1	156.6	0.57	0.29	0.10	43	1.55	0.142
89649	Soil	0.96	17.46	21.11	31.1	52	14.1	6.4	1121	1.06	2.4	0.2	1.6	<0.1	127.2	0.34	0.21	0.08	28	1.41	0.094
89651	Soil	0.83	13.97	35.27	40.7	24	11.6	5.2	1520	0.97	2.1	0.1	0.7	0.2	186.3	0.20	0.20	0.09	22	1.54	0.071
89653	Soil	0.82	13.25	28.82	60.5	32	6.0	2.0	1201	0.28	1.6	<0.1	1.8	<0.1	175.3	0.40	0.18	0.14	6	1.78	0.107
89655	Soil	1.00	14.03	29.40	63.6	46	6.5	2.3	1066	0.32	1.5	<0.1	0.8	<0.1	149.3	0.30	0.21	0.10	6	1.55	0.108
89657	Soil	0.88	12.82	14.38	78.2	26	8.0	1.8	1023	0.24	0.8	<0.1	0.9	<0.1	129.0	0.46	0.09	0.05	5	2.10	0.108
89659	Soil	1.41	14.22	17.51	64.8	29	13.7	5.1	691	1.11	2.1	0.1	0.9	<0.1	82.8	0.22	0.16	0.09	23	1.10	0.096
89662	Soil	1.07	16.52	29.48	49.8	35	12.2	6.4	1701	0.99	8.4	0.2	0.9	<0.1	131.7	0.44	0.32	0.10	23	1.28	0.103
89664	Soil	1.34	13.01	20.02	49.0	43	10.3	5.3	1659	0.95	4.5	<0.1	0.7	<0.1	75.9	0.09	0.26	0.11	22	0.77	0.084
89666	Soil	2.61	15.55	31.55	40.7	34	8.8	3.3	777	0.62	9.8	<0.1	<0.2	<0.1	74.7	0.15	0.51	0.12	13	0.76	0.102
89668	Soil	1.42	13.48	16.81	56.1	51	14.9	6.0	949	1.14	1.4	0.2	<0.2	0.1	72.9	0.19	0.19	0.08	25	0.79	0.096
89670	Soil	1.61	15.05	24.13	45.0	84	11.1	4.9	879	0.84	1.6	0.1	0.5	0.1	71.5	0.36	0.21	0.10	22	0.97	0.056
89671	Soil	1.62	13.80	20.15	42.7	100	10.6	4.1	591	0.74	1.6	0.1	<0.2	<0.1	76.1	0.40	0.23	0.10	20	1.00	0.058
89674	Soil	0.71	12.43	24.44	63.9	45	16.0	5.9	1309	1.26	2.0	0.2	0.6	0.2	79.4	0.11	0.21	0.10	30	0.96	0.074
89676	Soil	1.73	20.62	13.23	53.8	31	33.3	9.5	779	1.35	1.8	0.3	<0.2	0.5	129.6	0.21	0.11	0.05	23	1.64	0.103
89678	Soil	0.90	20.36	31.36	83.0	28	20.4	6.6	1520	1.03	2.8	0.2	1.6	0.2	255.3	0.34	0.21	0.08	21	1.84	0.096
89680	Soil	1.31	21.82	55.40	100.7	51	15.3	4.6	1159	0.59	4.5	0.2	0.6	<0.1	138.7	0.95	0.59	0.30	13	1.84	0.092
89682	Soil	0.65	18.63	16.00	98.2	38	50.6	14.7	811	2.19	1.4	0.4	0.5	0.6	155.9	0.85	0.15	0.08	45	1.48	0.105
89684	Soil	0.60	16.56	18.17	66.3	51	51.8	14.4	1120	2.27	2.7	0.4	<0.2	0.8	172.9	0.21	0.20	0.14	51	1.14	0.099
89686	Soil	0.65	16.05	16.50	80.7	84	24.8	8.6	1101	1.19	1.2	0.2	<0.2	0.3	192.0	0.20	0.13	0.14	24	1.69	0.080
89688	Soil	0.98	18.75	46.54	40.3	54	7.9	4.0	966	0.67	2.2	0.1	<0.2	0.1	173.8	0.49	0.31	0.12	15	2.00	0.086
89660A	Rock Pulp	2.06	36.65	11.47	54.6	41	26.4	3.6	46	2.94	817.9	1.8	856.8	8.0	12.2	0.04	37.80	0.28	16	<0.01	0.021
89900	Soil	1.22	18.24	45.32	57.1	24	12.9	5.7	2046	0.94	6.2	0.1	1.6	0.2	167.2	0.46	0.32	0.14	22	1.63	0.085
89902	Soil	0.75	20.89	31.40	57.6	30	17.0	7.5	1501	1.48	16.1	0.2	1.5	0.3	170.5	0.29	0.43	0.10	38	1.56	0.095
89904	Soil	0.86	16.35	24.78	75.4	25	14.8	6.2	1132	1.18	4.0	0.2	0.6	0.2	60.4	0.20	0.24	0.10	27	0.70	0.077
89906	Soil	1.21	22.89	12.93	30.3	31	15.8	6.3	912	1.23	1.9	0.1	0.4	0.1	81.8	0.24	0.16	0.08	26	1.02	0.070

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89639	Soil	1.7	6.4	0.15	192.3	0.016	<20	0.45	0.003	0.10	<0.1	1.4	0.08	0.12	519	0.4	0.03	1.4
89640	Soil	1.8	8.0	0.17	197.3	0.026	<20	0.52	0.005	0.11	<0.1	1.6	0.07	0.11	549	0.3	0.02	2.0
89643	Soil	2.7	7.2	0.18	214.9	0.016	<20	0.69	0.003	0.08	<0.1	1.0	0.04	0.13	207	0.3	0.03	1.4
89645	Soil	1.4	7.9	0.11	128.3	0.019	<20	0.50	0.004	0.07	<0.1	0.8	0.08	0.12	399	0.2	<0.02	1.8
89647	Soil	5.5	17.0	0.54	153.3	0.054	<20	1.67	0.013	0.18	<0.1	3.2	0.05	0.08	93	0.2	<0.02	4.4
89649	Soil	4.5	12.6	0.38	93.6	0.053	<20	1.03	0.006	0.10	<0.1	1.7	0.04	0.10	159	0.3	<0.02	2.9
89651	Soil	2.4	13.4	0.26	188.8	0.053	<20	0.84	0.006	0.13	<0.1	1.9	0.04	0.09	303	0.1	<0.02	2.5
89653	Soil	0.9	5.2	0.13	147.1	0.010	<20	0.23	0.003	0.08	<0.1	0.9	0.04	0.15	463	0.3	<0.02	0.7
89655	Soil	1.0	5.8	0.14	131.9	0.013	<20	0.26	0.003	0.09	<0.1	1.0	0.04	0.15	503	0.2	<0.02	0.8
89657	Soil	0.8	9.7	0.16	124.4	0.013	<20	0.20	0.002	0.10	<0.1	0.6	0.04	0.15	306	0.2	<0.02	0.6
89659	Soil	2.3	14.9	0.36	109.4	0.042	<20	1.00	0.004	0.11	<0.1	1.2	0.04	0.10	136	0.3	<0.02	3.2
89662	Soil	3.3	10.6	0.39	97.5	0.046	<20	0.91	0.005	0.13	0.1	1.6	0.05	0.12	318	0.2	<0.02	3.0
89664	Soil	1.9	11.9	0.22	108.1	0.045	<20	0.82	0.006	0.08	<0.1	1.4	0.05	0.06	164	<0.1	<0.02	3.1
89666	Soil	1.5	8.6	0.16	93.7	0.026	<20	0.55	0.005	0.07	0.1	1.1	0.07	0.13	431	0.2	<0.02	1.8
89668	Soil	2.3	12.4	0.29	87.0	0.093	<20	0.90	0.006	0.08	0.1	1.7	0.04	0.09	215	0.1	<0.02	3.0
89670	Soil	3.9	11.2	0.24	54.6	0.047	<20	0.65	0.007	0.06	<0.1	1.5	0.03	0.07	193	0.1	0.02	2.5
89671	Soil	6.3	11.0	0.24	47.4	0.042	<20	0.59	0.007	0.06	<0.1	1.4	0.03	0.08	189	0.1	0.02	2.3
89674	Soil	2.2	16.6	0.35	110.9	0.074	<20	1.03	0.008	0.08	<0.1	1.8	0.03	0.07	223	0.1	0.02	3.6
89676	Soil	7.1	14.4	0.71	41.6	0.084	<20	0.76	0.009	0.12	0.2	2.7	<0.02	0.11	290	0.1	<0.02	2.1
89678	Soil	3.3	13.1	0.37	157.9	0.072	<20	0.69	0.006	0.13	<0.1	2.1	0.03	0.13	268	0.3	<0.02	2.0
89680	Soil	2.4	9.4	0.19	88.9	0.025	<20	0.47	0.006	0.11	0.1	2.5	0.03	0.11	385	0.5	0.05	1.6
89682	Soil	5.5	30.8	1.04	89.6	0.173	<20	1.70	0.011	0.15	<0.1	3.6	0.03	0.05	93	<0.1	<0.02	5.0
89684	Soil	6.6	30.1	0.90	127.9	0.213	<20	1.84	0.009	0.11	<0.1	3.7	0.04	0.04	158	0.2	0.03	5.9
89686	Soil	2.7	15.5	0.45	150.3	0.092	<20	0.96	0.008	0.09	<0.1	2.3	0.04	0.09	226	0.2	<0.02	2.9
89688	Soil	1.6	8.6	0.26	122.3	0.033	<20	0.60	0.006	0.12	<0.1	1.7	0.03	0.14	306	0.3	<0.02	1.8
89660A	Rock Pulp	21.2	40.0	0.02	65.9	0.002	<20	0.52	0.022	0.19	0.5	5.2	0.08	<0.02	25	0.4	<0.02	2.4
89900	Soil	2.8	11.5	0.34	169.7	0.053	<20	0.91	0.006	0.11	<0.1	2.2	0.05	0.11	355	0.2	0.02	3.0
89902	Soil	4.3	18.3	0.47	154.3	0.104	<20	1.23	0.006	0.17	<0.1	3.4	0.06	0.10	315	0.2	<0.02	3.9
89904	Soil	2.5	15.6	0.35	100.6	0.067	<20	1.05	0.006	0.12	<0.1	2.0	0.04	0.08	237	0.2	<0.02	3.5
89906	Soil	2.8	15.5	0.36	126.0	0.059	<20	1.04	0.009	0.09	<0.1	1.7	0.03	0.08	130	0.2	<0.02	3.5

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89908	Soil		0.65	25.43	6.32	57.4	58	29.9	10.3	617	2.19	4.9	0.4	0.6	0.3	82.9	0.13	0.23	0.09	52	1.03	0.148
89910	Soil		1.02	21.32	9.90	50.1	40	21.1	8.0	660	1.63	1.8	0.2	0.2	0.2	89.8	0.41	0.17	0.09	37	1.45	0.086
89911	Soil		0.95	23.01	9.49	55.7	24	24.8	8.9	675	1.84	2.0	0.2	0.7	0.3	97.0	0.38	0.18	0.08	43	1.37	0.082
89914	Soil		0.62	15.76	23.06	56.5	30	8.7	4.0	2156	0.70	2.9	0.1	<0.2	<0.1	126.6	0.21	0.20	0.10	15	1.55	0.115
89916	Soil		0.66	18.82	26.63	73.3	51	12.4	6.0	1819	1.11	4.4	0.1	0.3	0.1	135.6	0.33	0.22	0.10	24	1.34	0.082
89918	Soil		1.24	21.22	14.27	64.7	94	13.1	5.4	1318	0.98	2.2	0.1	2.5	0.1	79.8	0.61	0.17	0.09	20	1.42	0.068
89920	Soil		1.17	16.08	20.75	40.9	78	15.9	3.8	1012	0.78	3.6	0.2	1.3	0.2	85.0	0.41	0.30	0.11	16	1.46	0.070
89922	Soil		1.15	16.51	22.65	99.4	21	17.2	7.6	2104	1.66	2.6	0.2	2.1	0.5	122.8	0.32	0.28	0.12	39	1.05	0.047
89924	Soil		0.85	19.41	27.70	82.5	31	16.9	6.8	1932	1.41	2.6	0.2	0.3	0.3	144.5	0.29	0.28	0.11	34	1.63	0.086
89926	Soil		0.81	18.72	17.65	125.3	41	13.3	5.4	1423	0.94	2.0	0.1	<0.2	0.2	183.3	1.02	0.15	0.09	19	2.00	0.084
89928	Soil		1.03	22.86	17.22	85.5	49	23.2	8.6	1268	1.69	3.7	0.2	0.4	0.3	144.0	0.25	0.24	0.09	38	1.41	0.111
89931	Soil		2.38	21.74	9.28	57.0	40	15.8	5.8	790	1.21	2.3	0.2	<0.2	<0.1	93.8	0.24	0.15	0.07	25	1.34	0.111
89933	Soil		1.78	18.19	16.64	40.2	56	14.0	5.7	931	1.36	2.4	0.2	<0.2	0.1	96.7	0.17	0.31	0.10	33	1.04	0.098
89935	Soil		1.39	29.89	10.52	59.7	64	22.3	8.6	643	1.80	3.1	0.2	122.5	0.3	104.6	0.32	0.42	0.06	41	1.59	0.106
89937	Soil		2.28	32.11	5.22	65.5	54	15.6	5.2	467	0.89	5.2	0.2	0.4	0.1	95.2	0.47	0.19	0.07	25	2.50	0.150
89939	Soil		1.35	29.86	6.98	97.3	59	18.7	8.2	821	1.51	2.8	0.2	<0.2	0.1	82.2	0.67	0.20	0.07	32	1.87	0.114
89941	Soil		1.30	30.36	7.31	93.6	70	18.7	7.6	760	1.44	2.8	0.2	0.2	0.1	80.1	0.64	0.20	0.07	30	1.86	0.114
89943	Soil		0.97	28.04	6.69	113.5	60	26.0	14.1	1100	2.69	12.1	0.4	0.8	0.7	101.1	0.51	0.33	0.07	56	0.87	0.109
89945	Soil		0.79	27.93	7.44	93.3	45	27.4	14.0	1028	2.52	14.6	0.3	0.6	0.6	110.7	0.33	0.41	0.05	51	1.25	0.094
89947	Soil		1.24	18.94	9.73	105.3	49	12.8	7.3	1334	1.43	5.8	0.2	1.1	0.2	93.1	0.39	0.26	0.06	30	1.13	0.092
89949	Soil		0.88	16.00	18.49	81.0	20	19.6	8.0	1036	1.54	1.4	0.3	0.4	0.4	123.4	0.27	0.19	0.10	36	1.21	0.056
90001	Soil		0.95	21.83	25.80	60.7	22	19.0	6.9	1080	1.11	2.3	0.2	<0.2	0.3	159.9	0.23	0.24	0.08	28	1.65	0.096
90003	Soil		1.18	21.06	41.97	85.9	49	19.1	8.0	2776	1.62	5.0	0.2	0.5	0.2	52.2	0.14	0.45	0.18	35	0.82	0.109
89930A	Rock Pulp		2.08	36.45	12.61	58.4	33	27.7	3.7	48	3.14	847.2	1.8	908.9	8.3	15.6	0.04	32.56	0.30	17	<0.01	0.023
89850	Soil		1.62	13.26	30.78	37.1	40	14.3	7.0	686	1.67	4.3	0.2	0.3	0.3	62.2	0.20	0.45	0.21	36	0.79	0.083
89852	Soil		0.68	18.52	15.95	80.0	28	15.8	7.7	2545	1.50	6.5	0.2	33.4	0.1	81.9	0.18	0.54	0.12	43	1.35	0.125
89854	Soil		0.50	15.25	19.14	80.7	44	9.8	5.2	1494	0.99	6.3	0.2	0.9	<0.1	75.6	0.37	0.36	0.11	23	1.21	0.091
89856	Soil		0.46	23.62	8.21	67.9	107	20.8	7.5	958	1.57	2.9	0.3	0.5	0.2	76.2	0.17	0.17	0.07	40	1.38	0.078
89858	Soil		1.21	19.07	15.34	45.6	48	11.3	4.2	438	0.88	1.6	0.1	0.4	0.1	60.0	0.24	0.17	0.08	19	1.00	0.072
89861	Soil		1.11	18.14	16.14	83.6	48	16.1	7.5	945	1.55	2.0	0.2	0.3	0.3	79.4	0.33	0.21	0.09	35	0.92	0.069

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89908	Soil	5.0	26.2	0.70	107.9	0.113	<20	1.99	0.016	0.09	<0.1	3.3	0.04	0.06	100	0.3	<0.02	5.6
89910	Soil	2.9	20.7	0.54	86.3	0.100	<20	1.33	0.012	0.15	<0.1	2.5	0.03	0.08	101	0.1	0.02	3.8
89911	Soil	3.3	24.1	0.60	93.8	0.118	<20	1.51	0.013	0.17	<0.1	3.1	0.03	0.08	84	<0.1	<0.02	4.4
89914	Soil	1.5	8.3	0.23	145.2	0.023	<20	0.64	0.006	0.08	<0.1	0.8	0.09	0.13	392	0.2	0.02	2.1
89916	Soil	2.4	12.7	0.30	194.2	0.051	<20	1.04	0.005	0.12	<0.1	1.8	0.06	0.09	312	0.3	<0.02	3.1
89918	Soil	2.6	11.3	0.29	116.4	0.046	<20	0.90	0.008	0.09	<0.1	1.5	0.04	0.09	202	0.3	<0.02	2.8
89920	Soil	3.8	10.8	0.27	79.2	0.028	<20	0.91	0.007	0.08	<0.1	2.0	0.04	0.08	218	<0.1	<0.02	2.4
89922	Soil	3.4	20.0	0.35	209.8	0.107	<20	1.30	0.009	0.12	<0.1	2.8	0.07	0.04	197	<0.1	0.02	4.0
89924	Soil	3.8	17.1	0.38	194.9	0.093	<20	1.18	0.006	0.13	<0.1	2.8	0.04	0.09	352	0.2	0.04	3.5
89926	Soil	2.6	11.7	0.32	197.4	0.051	<20	0.86	0.007	0.13	<0.1	1.5	0.03	0.10	227	0.2	<0.02	2.8
89928	Soil	4.4	20.1	0.53	185.2	0.090	<20	1.59	0.010	0.16	<0.1	3.0	0.05	0.09	264	<0.1	<0.02	4.4
89931	Soil	2.9	15.2	0.38	139.9	0.053	<20	1.10	0.009	0.14	<0.1	1.6	0.03	0.10	112	0.1	<0.02	3.4
89933	Soil	2.9	16.4	0.33	124.3	0.090	<20	0.99	0.010	0.11	<0.1	2.1	0.05	0.07	443	0.2	<0.02	3.7
89935	Soil	4.1	21.2	0.57	107.3	0.098	<20	1.38	0.012	0.22	<0.1	2.9	0.04	0.11	167	<0.1	0.04	3.9
89937	Soil	4.9	12.5	0.37	62.6	0.037	21	0.89	0.015	0.11	<0.1	1.6	0.03	0.22	149	0.4	<0.02	2.3
89939	Soil	3.5	18.6	0.46	93.5	0.067	<20	1.30	0.009	0.17	<0.1	2.1	0.03	0.11	84	0.2	0.03	3.7
89941	Soil	3.4	17.8	0.45	85.0	0.064	<20	1.28	0.009	0.18	<0.1	1.9	0.04	0.12	83	0.2	<0.02	3.6
89943	Soil	8.2	30.8	0.62	159.8	0.106	<20	2.01	0.009	0.36	0.1	5.5	0.06	0.04	55	<0.1	0.02	5.8
89945	Soil	8.0	29.9	0.66	147.5	0.089	<20	1.62	0.008	0.36	<0.1	4.8	0.05	0.06	100	<0.1	0.04	4.7
89947	Soil	3.3	14.9	0.40	171.4	0.043	<20	1.01	0.006	0.22	<0.1	2.4	0.06	0.08	230	<0.1	0.04	3.1
89949	Soil	3.8	22.6	0.43	100.1	0.187	<20	1.30	0.018	0.20	0.1	3.5	0.04	0.05	134	0.2	0.02	4.0
90001	Soil	3.5	17.5	0.42	66.6	0.121	<20	0.87	0.013	0.16	0.1	3.0	0.03	0.13	426	0.2	<0.02	2.6
90003	Soil	3.5	19.3	0.38	127.3	0.092	<20	1.59	0.009	0.09	0.2	2.2	0.13	0.08	365	0.3	0.04	5.3
89930A	Rock Pulp	23.6	47.8	0.03	75.7	0.002	<20	0.61	0.023	0.22	0.4	5.7	0.10	<0.02	16	0.6	0.05	2.6
89850	Soil	3.4	17.3	0.28	91.5	0.087	<20	1.38	0.011	0.08	0.2	2.4	0.05	0.06	232	0.2	0.05	4.9
89852	Soil	3.2	16.7	0.39	167.0	0.065	<20	1.33	0.009	0.14	<0.1	2.5	0.24	0.08	365	0.3	0.03	4.0
89854	Soil	2.5	12.6	0.26	125.6	0.051	<20	0.87	0.009	0.10	<0.1	1.4	0.06	0.08	203	0.2	<0.02	3.3
89856	Soil	11.8	20.6	0.53	76.3	0.072	<20	1.63	0.017	0.11	<0.1	2.8	0.04	0.07	124	0.2	0.04	4.4
89858	Soil	2.4	12.5	0.27	65.4	0.057	<20	0.78	0.010	0.09	<0.1	1.6	0.03	0.09	250	0.2	0.04	2.4
89861	Soil	3.2	21.7	0.38	133.8	0.099	<20	1.28	0.009	0.16	<0.1	2.6	0.04	0.06	142	0.2	<0.02	3.4

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89863	Soil		0.88	20.27	37.87	101.0	51	17.2	6.8	1980	1.25	2.5	0.2	0.4	<0.1	106.3	0.40	0.30	0.13	27	1.09	0.104
89865	Soil		1.20	20.10	28.03	102.5	41	18.0	8.1	2033	1.64	8.1	0.2	<0.2	0.4	161.6	0.47	0.57	0.11	38	1.26	0.079
89867	Soil		1.45	13.73	19.69	74.7	41	20.0	7.9	936	1.65	2.0	0.2	1.2	0.3	43.7	0.11	0.21	0.13	36	0.40	0.054
89869	Soil		1.04	13.57	19.80	66.5	34	12.8	4.8	430	1.08	1.6	0.1	<0.2	0.2	41.9	0.09	0.21	0.11	24	0.66	0.072
89870	Soil		1.06	13.05	21.59	64.8	30	10.7	4.1	529	0.92	1.3	0.1	3.7	0.1	43.9	0.07	0.23	0.11	20	0.68	0.082
89873	Soil		0.88	13.67	27.85	45.8	82	13.5	4.7	682	1.05	1.8	0.1	0.3	0.2	67.2	0.19	0.31	0.12	25	0.89	0.053
89875	Soil		0.45	19.35	14.24	47.5	77	16.9	5.4	557	1.29	2.3	0.3	0.3	0.2	55.6	0.12	0.23	0.14	32	1.04	0.048
89877	Soil		0.49	11.27	9.89	17.9	34	5.0	1.3	119	0.25	2.1	0.2	0.5	<0.1	70.0	0.17	0.24	0.12	64	3.39	0.077
90005	Soil		1.08	18.36	18.11	103.7	56	7.1	2.8	896	0.46	1.1	<0.1	1.4	<0.1	119.9	0.49	0.14	0.08	10	2.08	0.093
90007	Soil		1.11	17.52	26.71	77.4	55	7.3	3.1	1606	0.49	1.8	<0.1	0.7	<0.1	180.6	0.42	0.19	0.07	11	1.89	0.098
90009	Soil		1.14	19.38	6.03	63.0	29	14.0	6.1	1134	1.07	1.6	0.2	0.8	0.2	216.8	0.21	0.23	0.05	23	2.07	0.093
90010	Soil		1.17	21.95	6.83	65.4	48	16.8	7.5	1182	1.31	1.9	0.2	3.0	0.3	214.8	0.28	0.25	0.05	29	2.02	0.108
90013	Soil		2.43	19.10	28.75	97.7	62	9.0	4.0	1346	0.62	1.6	<0.1	<0.2	<0.1	146.2	0.48	0.27	0.14	14	2.02	0.104
90015	Soil		0.89	16.16	11.91	59.4	47	8.6	3.5	443	0.59	2.9	0.1	0.9	<0.1	59.5	0.32	0.28	0.07	38	2.90	0.117
90017	Soil		0.96	13.84	8.79	39.4	63	17.8	6.6	347	1.43	4.9	0.3	1.5	0.2	83.6	0.16	0.20	0.08	43	1.57	0.119
90019	Soil		1.21	12.01	2.21	51.2	85	6.4	2.1	573	0.40	1.7	<0.1	0.2	<0.1	74.9	0.14	0.13	0.04	8	1.41	0.123
90021	Soil		1.34	13.35	3.02	82.8	152	6.3	2.2	1042	0.38	1.7	<0.1	<0.2	<0.1	115.0	0.38	0.11	0.03	9	1.82	0.143
90023	Soil		2.19	16.72	2.11	86.3	47	8.7	3.3	834	0.63	1.5	<0.1	0.3	<0.1	175.4	0.21	0.11	0.03	13	2.18	0.148
90025	Soil		1.67	14.33	1.88	74.5	43	7.8	2.9	717	0.38	1.7	<0.1	<0.2	<0.1	153.4	0.82	0.11	0.03	8	2.31	0.149
90101	Soil		1.08	18.56	6.57	107.7	78	16.0	6.2	951	1.33	2.1	0.2	0.8	0.1	115.1	0.25	0.20	0.06	29	1.68	0.182
90103	Soil		1.66	15.64	10.25	87.9	48	8.7	3.1	1566	0.52	1.2	0.1	<0.2	<0.1	66.8	0.19	0.15	0.04	12	2.22	0.115
89860A	Rock Pulp		2.02	36.34	12.03	56.6	37	26.2	3.7	43	3.00	817.3	1.8	905.6	8.2	15.0	0.04	32.91	0.29	16	<0.01	0.022
89691	Soil		1.58	14.86	22.15	75.3	24	17.5	7.1	1241	1.29	2.9	0.2	0.4	0.3	81.5	0.26	0.22	0.11	29	0.83	0.103
89693	Soil		1.63	19.76	31.11	56.2	82	8.3	3.2	1045	0.60	3.1	0.1	0.7	<0.1	69.6	0.41	0.35	0.11	14	1.53	0.092
89695	Soil		1.20	23.16	13.17	61.4	32	25.6	9.1	1121	1.50	1.8	0.4	0.2	0.5	170.9	0.29	0.15	0.07	30	1.64	0.112
89697	Soil		2.25	19.45	24.76	60.3	30	13.3	3.7	1330	0.56	2.0	0.1	0.6	<0.1	222.3	0.55	0.22	0.08	11	4.36	0.243
89699	Soil		1.45	22.19	45.75	106.8	27	19.3	7.1	2221	1.06	2.6	0.2	<0.2	0.3	126.3	0.36	0.31	0.14	21	1.68	0.104
89879	Soil		1.17	15.36	54.65	45.0	44	12.2	4.9	1596	0.94	2.0	0.1	0.8	<0.1	99.0	0.18	0.41	0.18	21	1.20	0.091
89881	Soil		1.52	9.31	20.36	54.8	106	9.4	4.1	1681	0.74	1.3	<0.1	0.3	<0.1	26.1	0.32	0.18	0.10	16	0.33	0.070
89883	Soil		1.66	12.28	36.18	28.6	32	5.9	1.7	187	0.43	1.8	<0.1	0.4	<0.1	46.0	0.27	0.35	0.13	9	0.66	0.097

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		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89863	Soil		2.8	17.1	0.37	150.4	0.077	<20	1.14	0.008	0.15	<0.1	1.8	0.06	0.10	279	0.3	<0.02	3.4
89865	Soil		4.0	22.7	0.39	192.1	0.107	<20	1.37	0.006	0.19	<0.1	3.2	0.11	0.08	204	0.1	0.04	4.1
89867	Soil		3.1	21.0	0.40	147.0	0.095	<20	1.43	0.009	0.09	<0.1	2.2	0.03	0.03	95	0.3	0.03	4.6
89869	Soil		2.4	15.4	0.29	66.4	0.069	<20	0.93	0.008	0.10	<0.1	1.7	0.03	0.06	156	<0.1	0.03	3.5
89870	Soil		2.0	13.3	0.23	64.9	0.057	<20	0.82	0.007	0.10	0.2	1.6	0.03	0.08	170	0.4	0.04	3.0
89873	Soil		1.8	14.5	0.27	122.3	0.075	<20	0.90	0.008	0.08	<0.1	1.6	0.05	0.07	284	0.2	0.04	3.1
89875	Soil		8.5	17.5	0.38	68.8	0.065	<20	1.33	0.011	0.09	<0.1	2.2	0.06	0.05	138	<0.1	<0.02	3.9
89877	Soil		3.3	4.3	0.18	25.8	0.008	<20	0.23	0.010	0.04	<0.1	0.5	<0.02	0.17	279	0.5	<0.02	0.7
90005	Soil		1.2	7.9	0.20	104.3	0.034	<20	0.37	0.003	0.12	<0.1	0.8	0.03	0.17	331	0.4	<0.02	1.2
90007	Soil		1.3	7.6	0.18	127.9	0.035	<20	0.37	0.004	0.10	<0.1	0.9	0.03	0.16	564	0.3	<0.02	1.3
90009	Soil		3.3	13.5	0.39	97.8	0.079	<20	0.86	0.007	0.16	<0.1	2.4	0.04	0.11	248	0.3	<0.02	2.2
90010	Soil		4.2	15.8	0.49	108.5	0.100	<20	1.04	0.009	0.18	<0.1	3.0	0.04	0.11	221	0.3	<0.02	3.0
90013	Soil		1.8	8.4	0.24	149.5	0.034	<20	0.52	0.007	0.11	<0.1	1.0	0.02	0.15	568	0.2	0.05	1.6
90015	Soil		2.2	8.5	0.40	32.3	0.024	<20	0.50	0.018	0.07	<0.1	0.6	0.08	0.19	304	0.5	<0.02	1.6
90017	Soil		2.9	19.6	0.56	77.4	0.089	<20	1.44	0.010	0.12	<0.1	2.3	0.04	0.10	202	0.4	<0.02	4.5
90019	Soil		1.4	6.2	0.22	48.7	0.020	<20	0.47	0.003	0.13	<0.1	0.5	<0.02	0.11	122	0.3	<0.02	1.1
90021	Soil		1.2	5.8	0.22	97.2	0.020	<20	0.41	0.003	0.17	<0.1	0.7	0.02	0.14	191	0.1	<0.02	1.1
90023	Soil		2.4	7.5	0.33	100.7	0.054	<20	0.68	0.004	0.12	0.2	1.5	0.02	0.13	111	0.2	<0.02	1.9
90025	Soil		1.2	6.1	0.28	73.7	0.011	<20	0.39	0.003	0.13	0.1	0.3	0.02	0.14	121	0.3	<0.02	1.0
90101	Soil		3.0	16.1	0.42	110.8	0.085	<20	1.24	0.009	0.17	<0.1	2.0	0.04	0.10	220	0.4	<0.02	3.7
90103	Soil		1.5	7.5	0.29	64.5	0.040	<20	0.54	0.005	0.20	<0.1	1.2	0.04	0.15	452	0.4	<0.02	1.7
89860A	Rock Pulp		23.4	45.3	0.03	72.2	0.002	<20	0.59	0.023	0.21	0.5	5.1	0.09	<0.02	27	0.6	<0.02	2.7
89691	Soil		3.7	15.6	0.43	63.9	0.110	<20	1.22	0.011	0.16	<0.1	2.5	0.04	0.05	267	0.3	<0.02	4.0
89693	Soil		2.0	7.9	0.19	40.4	0.032	<20	0.57	0.007	0.09	<0.1	1.3	0.04	0.15	685	0.5	<0.02	1.6
89695	Soil		7.5	15.1	0.75	72.2	0.137	<20	1.56	0.012	0.18	<0.1	3.9	0.04	0.09	248	0.1	<0.02	4.4
89697	Soil		2.6	8.7	0.31	97.3	0.036	<20	0.58	0.006	0.30	0.1	1.1	0.03	0.16	410	0.4	<0.02	1.8
89699	Soil		5.6	13.7	0.42	69.6	0.092	<20	1.08	0.010	0.19	<0.1	2.9	0.06	0.11	602	0.4	<0.02	3.3
89879	Soil		2.2	13.9	0.31	76.3	0.050	<20	0.87	0.007	0.14	0.2	1.3	0.04	0.09	263	0.3	<0.02	2.7
89881	Soil		2.0	10.9	0.18	85.4	0.039	<20	0.66	0.009	0.07	<0.1	0.9	0.04	0.06	138	0.4	<0.02	2.8
89883	Soil		1.1	6.7	0.10	46.2	0.018	<20	0.38	0.006	0.07	<0.1	0.7	0.03	0.12	380	0.3	<0.02	1.3

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89885	Soil		0.93	19.44	30.95	81.3	40	36.2	13.4	1621	2.31	6.9	0.4	<0.2	0.5	56.5	0.34	0.54	0.14	66	1.07	0.102
89887	Soil		2.28	14.86	28.65	86.2	33	12.7	5.7	2150	1.03	1.6	0.1	<0.2	0.1	60.3	0.15	0.21	0.11	22	0.81	0.102
89889	Soil		1.41	17.74	38.71	78.5	34	12.4	5.2	2389	0.90	1.8	0.1	<0.2	0.1	123.0	0.62	0.34	0.14	19	1.60	0.089
89892	Soil		0.73	17.44	33.87	76.6	41	9.5	5.2	2167	0.86	2.1	<0.1	0.6	<0.1	139.9	0.40	0.26	0.09	20	0.99	0.089
89894	Soil		0.85	16.95	45.38	48.2	488	12.1	4.1	753	1.11	3.7	0.1	0.7	<0.1	30.8	0.19	0.48	0.22	24	0.38	0.087
89896	Soil		0.87	12.71	38.81	35.3	71	7.2	3.1	5857	0.58	2.0	<0.1	2.6	<0.1	77.8	0.28	0.30	0.13	12	1.03	0.097
89898	Soil		1.08	14.99	13.16	69.5	23	16.4	7.8	1546	1.64	1.8	0.2	1.0	0.2	67.7	0.14	0.14	0.10	35	0.69	0.059
90027	Soil		0.87	32.65	31.24	98.9	25	30.1	11.6	1746	1.38	5.2	0.3	0.3	0.3	214.6	0.52	0.52	0.22	27	1.33	0.089
90029	Soil		0.75	25.84	34.35	50.1	28	29.7	8.7	551	1.86	3.7	0.3	<0.2	0.4	120.8	0.13	0.30	0.14	41	0.82	0.119
90032	Soil		1.03	10.14	22.78	182.1	51	4.9	1.7	5002	0.22	0.8	<0.1	<0.2	<0.1	100.9	0.36	0.14	0.04	4	1.61	0.116
90034	Soil		0.85	13.32	17.14	32.7	84	6.5	2.3	507	0.58	3.5	<0.1	<0.2	<0.1	58.3	0.27	0.22	0.10	14	1.33	0.079
90036	Soil		1.01	34.55	106.67	78.8	65	27.0	10.1	1639	1.69	7.1	0.4	0.6	0.4	157.7	0.63	0.69	0.35	38	1.46	0.096
90038	Soil		0.69	26.74	68.50	58.8	50	13.5	5.1	1039	0.83	4.0	0.2	1.5	0.2	113.6	0.48	0.52	0.26	18	2.60	0.095
90040	Soil		0.45	28.57	18.53	46.2	16	33.0	11.0	892	1.91	2.8	0.5	0.3	0.9	185.4	0.23	0.17	0.08	41	1.94	0.137
90041	Soil		0.55	17.33	16.71	31.4	20	13.8	4.9	874	0.84	2.5	0.2	<0.2	0.3	105.7	0.22	0.15	0.07	18	2.10	0.119
90042	Soil		0.88	23.72	21.58	46.9	49	15.1	5.8	910	0.81	2.8	0.2	0.7	0.2	125.5	0.27	0.28	0.09	17	1.98	0.118
90043	Soil		0.98	22.12	39.14	46.4	31	17.1	6.4	1686	1.06	3.0	0.3	<0.2	0.4	347.0	0.39	0.30	0.13	24	2.66	0.108
90044	Soil		0.99	25.56	25.47	43.5	31	26.2	9.6	843	1.60	2.8	0.4	<0.2	0.6	352.1	0.22	0.23	0.08	39	2.17	0.108
90045	Soil		1.25	24.38	12.43	71.5	18	38.6	13.4	1006	2.55	2.9	0.5	0.5	0.5	247.5	0.19	0.15	0.08	62	1.47	0.102
90046	Soil		1.75	17.85	16.37	66.9	51	20.2	8.1	1508	1.42	2.1	0.2	<0.2	0.2	142.3	0.34	0.16	0.08	32	1.24	0.109
90047	Soil		1.53	12.27	23.32	59.1	46	5.8	2.7	1573	0.46	1.5	<0.1	0.4	<0.1	77.4	0.47	0.26	0.11	11	1.86	0.122
90048	Soil		0.62	29.46	10.54	67.3	44	35.1	13.9	1041	2.62	6.7	0.6	3.9	0.7	239.4	0.17	0.32	0.07	73	1.65	0.098
90049	Soil		1.01	15.11	15.15	72.1	148	17.6	8.4	1066	1.63	2.9	0.2	0.5	0.2	64.3	0.29	0.23	0.10	37	0.80	0.121
90050	Soil		0.69	24.77	5.66	78.6	45	36.7	14.1	1155	3.21	4.0	0.4	0.2	0.7	55.5	0.16	0.15	0.09	70	0.46	0.119
90052	Soil		1.12	13.99	14.25	72.8	39	15.1	6.7	907	1.55	2.3	0.1	22.0	0.2	31.8	0.18	0.23	0.14	33	0.36	0.067
90054	Soil		1.67	13.65	26.75	35.3	26	9.7	3.6	427	0.72	1.8	0.1	0.4	<0.1	64.6	0.24	0.27	0.12	16	1.18	0.081
90056	Soil		2.16	14.32	24.09	49.2	31	11.9	5.0	929	1.13	1.6	0.1	1.1	0.2	65.7	0.20	0.28	0.11	28	0.77	0.072
90057	Soil		0.74	18.45	21.88	57.9	57	9.1	3.5	1058	0.65	1.2	0.1	<0.2	<0.1	58.3	0.34	0.18	0.09	14	1.00	0.123
90058	Soil		0.80	19.41	24.71	56.3	25	25.9	9.3	2046	1.55	2.1	0.3	0.4	0.4	178.6	0.16	0.19	0.08	33	1.42	0.107
90059	Soil		0.87	13.53	43.83	39.8	22	8.5	3.6	3144	0.56	1.5	0.1	0.7	<0.1	64.8	0.22	0.22	0.12	11	1.61	0.136

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89885	Soil		5.2	31.1	0.55	74.4	0.246	<20	2.46	0.009	0.20	<0.1	4.8	0.06	0.06	238	0.2	<0.02	7.3
89887	Soil		2.3	14.7	0.31	117.6	0.062	<20	0.88	0.009	0.10	<0.1	1.6	0.04	0.08	231	0.3	0.02	3.2
89889	Soil		2.1	12.2	0.31	216.5	0.054	<20	0.84	0.007	0.11	<0.1	1.5	0.04	0.12	359	0.2	<0.02	2.8
89892	Soil		1.7	11.7	0.28	135.6	0.049	<20	0.84	0.007	0.13	<0.1	1.4	0.04	0.11	332	0.3	<0.02	2.6
89894	Soil		2.3	13.9	0.24	95.1	0.048	<20	0.94	0.008	0.06	<0.1	0.9	0.05	0.08	255	0.5	<0.02	3.8
89896	Soil		1.5	7.8	0.14	195.8	0.020	<20	0.49	0.005	0.07	<0.1	0.7	0.19	0.11	380	0.4	<0.02	2.1
89898	Soil		3.8	17.8	0.45	173.1	0.090	<20	1.61	0.010	0.09	<0.1	2.4	0.04	0.03	63	0.2	<0.02	5.4
90027	Soil		6.2	16.6	0.53	83.4	0.109	<20	1.39	0.014	0.12	<0.1	3.6	0.07	0.09	382	0.3	0.03	4.0
90029	Soil		5.0	20.2	0.72	67.0	0.158	<20	2.26	0.011	0.11	0.2	3.5	0.04	0.07	231	0.4	<0.02	5.7
90032	Soil		0.6	3.8	0.08	125.5	0.011	<20	0.23	0.005	0.07	<0.1	0.7	0.04	0.14	456	0.3	<0.02	0.9
90034	Soil		1.4	8.7	0.15	59.4	0.039	<20	0.47	0.009	0.08	<0.1	1.0	0.03	0.11	339	0.3	<0.02	2.3
90036	Soil		7.9	18.3	0.60	75.2	0.131	<20	1.51	0.015	0.12	0.2	4.5	0.10	0.12	438	0.6	0.05	4.5
90038	Soil		3.4	10.6	0.39	46.4	0.047	<20	0.82	0.007	0.10	0.1	2.1	0.07	0.15	486	0.5	0.03	2.5
90040	Soil		8.4	20.0	0.96	70.6	0.176	<20	2.01	0.017	0.24	<0.1	5.9	0.03	0.07	197	0.3	0.02	6.0
90041	Soil		3.3	9.7	0.44	39.2	0.070	<20	0.87	0.009	0.14	<0.1	2.5	0.02	0.13	237	0.3	<0.02	2.5
90042	Soil		5.8	8.7	0.40	35.4	0.058	<20	0.82	0.009	0.13	0.1	3.0	0.03	0.15	416	0.3	0.02	2.3
90043	Soil		4.6	11.6	0.50	100.4	0.084	<20	1.10	0.008	0.10	0.1	2.9	0.05	0.13	478	0.4	0.05	3.2
90044	Soil		6.9	15.7	0.80	71.6	0.146	<20	1.74	0.017	0.14	<0.1	4.9	0.04	0.12	455	0.3	0.04	4.9
90045	Soil		8.9	25.2	1.09	92.6	0.207	<20	2.73	0.008	0.26	0.1	6.2	0.04	0.05	159	0.2	<0.02	8.8
90046	Soil		3.6	15.9	0.55	69.6	0.110	<20	1.37	0.009	0.14	<0.1	3.0	0.03	0.06	210	0.2	<0.02	4.3
90047	Soil		1.2	6.9	0.19	60.4	0.024	<20	0.38	0.006	0.11	<0.1	0.8	0.04	0.14	415	0.4	0.02	1.3
90048	Soil		8.8	31.9	1.03	128.5	0.223	<20	2.66	0.029	0.13	<0.1	7.4	0.03	0.03	150	0.2	<0.02	6.9
90049	Soil		3.6	20.0	0.43	86.6	0.084	<20	1.35	0.008	0.08	0.1	2.4	0.04	0.06	200	0.2	<0.02	5.4
90050	Soil		5.0	37.6	0.91	171.9	0.158	<20	3.70	0.009	0.12	<0.1	4.8	0.05	<0.02	42	0.1	<0.02	10.2
90052	Soil		3.0	19.3	0.39	147.7	0.065	<20	1.39	0.010	0.09	<0.1	2.1	0.04	0.03	105	0.2	<0.02	5.2
90054	Soil		1.4	9.7	0.20	93.8	0.061	<20	0.64	0.009	0.06	<0.1	1.4	0.03	0.13	370	0.6	<0.02	2.1
90056	Soil		2.2	14.6	0.29	78.1	0.073	<20	0.87	0.009	0.08	<0.1	2.0	0.03	0.07	235	0.3	<0.02	2.7
90057	Soil		1.6	9.1	0.19	70.8	0.042	<20	0.59	0.008	0.08	<0.1	1.3	0.02	0.10	261	0.2	<0.02	2.1
90058	Soil		3.9	15.1	0.75	91.4	0.139	<20	1.92	0.012	0.16	<0.1	3.4	0.04	0.08	325	0.2	<0.02	4.6
90059	Soil		2.3	7.0	0.23	44.9	0.025	<20	0.59	0.006	0.11	<0.1	0.8	0.04	0.13	455	0.2	<0.02	1.3

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960 - 789 West Pender
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Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
90061	Soil	0.98	17.38	30.02	27.8	37	10.1	4.2	837	0.75	2.0	0.2	<0.2	0.2	101.4	0.18	0.21	0.10	17	2.30	0.092
90105	Soil	1.74	13.13	21.76	33.4	95	6.9	3.3	1111	0.59	1.9	0.1	0.3	<0.1	65.4	0.22	0.25	0.08	14	1.20	0.076
90030A	Rock Pulp	1.83	33.09	11.39	54.6	34	23.7	3.4	40	2.79	761.6	1.7	858.5	7.7	12.3	0.03	34.09	0.31	15	<0.01	0.021

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

CERTIFICATE OF ANALYSIS VAN15001706.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
90061	Soil	3.2	7.7	0.33	36.7	0.056	<20	0.79	0.007	0.10	<0.1	2.0	0.03	0.10	235	0.3	<0.02	2.3
90105	Soil	2.0	8.0	0.22	62.3	0.039	<20	0.55	0.003	0.07	0.1	1.1	0.03	0.09	286	0.2	<0.02	1.6
90030A	Rock Pulp	21.1	38.9	0.03	66.0	0.002	<20	0.54	0.019	0.19	0.4	4.8	0.08	<0.02	16	0.5	0.03	2.4

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

QUALITY CONTROL REPORT VAN15001706.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
89906	Soil	1.21	22.89	12.93	30.3	31	15.8	6.3	912	1.23	1.9	0.1	0.4	0.1	81.8	0.24	0.16	0.08	26	1.02	0.070
REP 89906	QC	1.21	21.72	12.57	30.5	28	14.3	6.1	861	1.16	1.9	0.2	0.3	0.2	77.9	0.24	0.15	0.08	26	0.96	0.067
89873	Soil	0.88	13.67	27.85	45.8	82	13.5	4.7	682	1.05	1.8	0.1	0.3	0.2	67.2	0.19	0.31	0.12	25	0.89	0.053
REP 89873	QC	1.00	14.32	29.91	49.0	93	14.0	5.1	694	1.03	2.1	0.1	0.5	0.2	70.4	0.19	0.32	0.13	24	0.87	0.062
90036	Soil	1.01	34.55	106.67	78.8	65	27.0	10.1	1639	1.69	7.1	0.4	0.6	0.4	157.7	0.63	0.69	0.35	38	1.46	0.096
REP 90036	QC	0.94	33.84	106.24	76.1	77	26.3	10.1	1712	1.62	7.1	0.4	1.0	0.4	142.5	0.63	0.67	0.34	35	1.48	0.104
90030A	Rock Pulp	1.83	33.09	11.39	54.6	34	23.7	3.4	40	2.79	761.6	1.7	858.5	7.7	12.3	0.03	34.09	0.31	15	<0.01	0.021
REP 90030A	QC	1.96	33.89	11.69	53.5	31	24.2	3.4	42	2.83	769.2	1.7	848.4	7.8	11.9	0.03	34.92	0.30	15	<0.01	0.022
Reference Materials																					
STD DS10	Standard	13.71	160.61	151.26	367.3	1991	75.6	13.1	837	2.67	44.9	2.7	63.2	7.6	62.3	2.63	9.52	12.14	41	1.02	0.075
STD DS10	Standard	15.12	157.18	150.46	378.3	1932	77.2	12.5	924	2.83	44.9	2.5	330.4	6.8	66.8	2.62	8.87	11.92	42	1.08	0.079
STD DS10	Standard	14.76	149.45	150.79	362.2	1859	71.7	12.5	835	2.69	47.7	2.6	101.8	7.2	63.2	2.62	8.93	12.86	40	1.04	0.078
STD DS10	Standard	14.71	151.72	151.58	348.9	2305	68.5	12.0	828	2.63	43.4	2.7	246.2	6.9	61.6	2.46	8.05	11.65	39	1.01	0.073
STD OREAS45EA	Standard	1.62	625.03	15.00	27.8	212	346.6	48.3	359	19.75	10.0	1.5	53.1	8.6	3.4	0.02	0.46	0.24	281	0.03	0.026
STD OREAS45EA	Standard	1.65	688.64	14.05	33.3	227	377.0	53.9	416	21.74	10.6	1.7	54.1	9.4	3.9	<0.01	0.31	0.24	297	0.03	0.024
STD OREAS45EA	Standard	1.53	671.27	13.99	30.4	248	378.3	47.8	400	20.94	11.0	1.8	58.6	10.2	3.6	0.02	0.31	0.26	297	0.03	0.031
STD OREAS45EA	Standard	1.67	692.85	13.96	32.5	261	386.6	52.3	402	21.90	11.3	1.7	54.5	9.6	3.8	0.03	0.36	0.23	303	0.03	0.026
STD DS10 Expected		14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 12, 2015

QUALITY CONTROL REPORT VAN15001706.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
89906	Soil	2.8	15.5	0.36	126.0	0.059	<20	1.04	0.009	0.09	<0.1	1.7	0.03	0.08	130	0.2	<0.02	3.5
REP 89906	QC	2.8	15.1	0.34	124.9	0.057	<20	1.01	0.008	0.09	<0.1	1.6	0.03	0.08	113	0.2	<0.02	3.2
89873	Soil	1.8	14.5	0.27	122.3	0.075	<20	0.90	0.008	0.08	<0.1	1.6	0.05	0.07	284	0.2	0.04	3.1
REP 89873	QC	1.9	14.6	0.31	127.9	0.076	<20	0.87	0.008	0.08	<0.1	1.5	0.05	0.07	330	0.3	0.05	3.5
90036	Soil	7.9	18.3	0.60	75.2	0.131	<20	1.51	0.015	0.12	0.2	4.5	0.10	0.12	438	0.6	0.05	4.5
REP 90036	QC	8.2	17.6	0.56	70.3	0.117	<20	1.47	0.013	0.12	0.1	4.2	0.09	0.13	444	0.7	<0.02	4.4
90030A	Rock Pulp	21.1	38.9	0.03	66.0	0.002	<20	0.54	0.019	0.19	0.4	4.8	0.08	<0.02	16	0.5	0.03	2.4
REP 90030A	QC	20.9	40.4	0.03	66.0	0.002	<20	0.55	0.021	0.20	0.4	4.9	0.08	<0.02	27	0.5	<0.02	2.3
Reference Materials																		
STD DS10	Standard	16.2	53.0	0.74	404.6	0.071	<20	0.96	0.062	0.32	3.5	2.6	5.00	0.28	301	2.0	4.96	3.9
STD DS10	Standard	16.9	56.2	0.82	425.9	0.084	<20	1.03	0.069	0.33	3.3	2.9	5.37	0.28	293	2.6	5.18	4.3
STD DS10	Standard	16.9	52.8	0.78	434.3	0.074	<20	1.00	0.064	0.31	3.1	2.8	5.26	0.27	308	2.5	5.20	4.5
STD DS10	Standard	16.6	53.3	0.76	390.1	0.083	<20	0.97	0.063	0.30	3.2	2.8	5.43	0.26	309	2.7	4.90	3.9
STD OREAS45EA	Standard	6.8	780.5	0.08	138.2	0.090	<20	2.81	0.019	0.05	<0.1	67.4	0.06	0.04	9	0.7	0.07	10.3
STD OREAS45EA	Standard	7.0	884.4	0.08	146.0	0.100	<20	3.29	0.020	0.05	<0.1	73.1	0.06	0.04	10	1.1	0.11	11.8
STD OREAS45EA	Standard	6.7	852.6	0.10	139.1	0.095	<20	3.14	0.019	0.05	<0.1	75.6	0.05	0.03	6	1.0	0.09	12.9
STD OREAS45EA	Standard	6.9	847.5	0.09	144.8	0.100	<20	3.27	0.020	0.05	<0.1	72.7	0.06	0.03	12	1.0	0.05	12.6
STD DS10 Expected		17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Submitted By: Ken Armstrong
Receiving Lab: Canada-Vancouver
Received: August 25, 2015
Report Date: August 28, 2015
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN15001706R.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	3135-15-01
P.O. Number	3135
Number of Samples:	1

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
AQ250	1	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Strongbow Exploration Inc.
960 - 789 West Pender
Vancouver BC V6P 6E5
CANADA

CC: Robert Campbell

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 28, 2015

CERTIFICATE OF ANALYSIS VAN15001706R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89935	Soil	1.44	28.66	11.78	57.7	46	21.7	9.3	630	1.75	3.3	0.2	<0.2	0.3	98.3	0.35	0.43	0.08	41	1.58	0.114

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 28, 2015

CERTIFICATE OF ANALYSIS VAN15001706R.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89935	Soil		4.2	22.1	0.55	104.8	0.099	<20	1.36	0.011	0.23	<0.1	3.2	0.04	0.10	140	0.4	0.03	4.0

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Project: None Given
Report Date: August 28, 2015

QUALITY CONTROL REPORT VAN15001706R.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																						
89935	Soil		1.44	28.66	11.78	57.7	46	21.7	9.3	630	1.75	3.3	0.2	<0.2	0.3	98.3	0.35	0.43	0.08	41	1.58	0.114
REP 89935	QC		1.41	28.53	11.52	56.0	54	20.9	8.7	598	1.74	3.4	0.2	<0.2	0.3	94.5	0.32	0.44	0.08	41	1.52	0.110
Reference Materials																						
STD DS10	Standard		14.85	157.71	159.77	387.5	1964	78.6	14.6	893	2.75	47.6	2.7	57.5	7.6	69.5	2.93	9.57	12.71	43	1.10	0.082
STD OREAS45EA	Standard		1.63	696.80	15.10	33.2	255	394.4	55.1	405	21.65	11.8	1.9	54.4	10.2	3.8	0.05	0.38	0.26	308	0.05	0.030
STD DS10 Expected			14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected			1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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PHONE (604) 253-3158

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 28, 2015

QUALITY CONTROL REPORT VAN15001706R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
89935	Soil	4.2	22.1	0.55	104.8	0.099	<20	1.36	0.011	0.23	<0.1	3.2	0.04	0.10	140	0.4	0.03	4.0
REP 89935	QC	4.2	21.7	0.55	104.7	0.098	<20	1.35	0.011	0.23	<0.1	3.2	0.04	0.10	151	0.2	0.02	4.1
Reference Materials																		
STD DS10	Standard	18.5	59.4	0.77	435.6	0.084	<20	1.04	0.068	0.34	3.6	2.9	5.29	0.29	301	2.6	4.95	4.4
STD OREAS45EA	Standard	7.4	913.9	0.08	144.6	0.102	<20	3.29	0.019	0.05	<0.1	75.6	0.06	0.04	10	1.4	0.11	12.3
STD DS10 Expected		17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

BUREAU VERITAS MINERAL LABORATORIES Canada

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

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Submitted By: Ken Armstrong
Receiving Lab: Canada-Vancouver
Received: July 15, 2015
Report Date: August 13, 2015
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN15001707.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	3135-15-02
P.O. Number	3135
Number of Samples:	107

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DYAIR	103	Air dry samples (<40 Deg. C.)			VAN
SS80	103	Dry at 60C sieve 100g to -80 mesh			VAN
AQ250	107	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Strongbow Exploration Inc.
960 - 789 West Pender
Vancouver BC V6P 6E5
CANADA

CC: Robert Campbell

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

CERTIFICATE OF ANALYSIS VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89641	Soil	0.77	20.90	5.87	65.1	49	27.4	13.0	951	2.41	26.4	0.3	1.6	0.7	46.2	0.12	0.31	0.11	61	0.43	0.095
89642	Soil	0.71	20.11	5.24	62.0	64	25.6	12.3	863	2.29	26.0	0.3	0.3	0.6	41.8	0.12	0.29	0.09	58	0.42	0.096
89644	Soil	0.76	32.00	5.91	71.4	43	31.3	14.9	1692	2.88	12.4	0.4	0.6	0.7	90.2	0.27	0.39	0.14	68	0.54	0.100
89646	Soil	1.28	20.81	7.36	73.1	57	29.4	12.8	623	3.10	18.1	0.3	0.3	1.0	23.3	0.10	0.27	0.14	73	0.25	0.105
89648	Soil	0.59	41.12	5.46	71.4	95	27.9	17.1	1595	2.78	13.2	0.4	0.3	0.2	147.1	0.30	0.30	0.11	68	1.23	0.222
89650	Soil	0.54	39.19	6.39	70.4	61	41.8	18.1	1392	3.59	6.0	0.7	0.5	0.9	83.9	0.17	0.21	0.10	98	0.73	0.112
89652	Soil	0.65	19.14	6.08	63.7	36	28.0	11.8	970	2.71	2.7	0.4	0.3	0.8	81.3	0.10	0.12	0.09	62	0.57	0.075
89654	Soil	0.82	20.22	6.44	78.5	25	60.9	18.2	496	3.18	1.7	0.3	<0.2	0.5	85.7	0.11	0.09	0.08	52	0.61	0.143
89656	Soil	0.72	26.42	4.77	68.5	53	51.2	15.7	646	3.09	3.4	0.3	<0.2	0.6	109.8	0.12	0.11	0.07	62	0.91	0.199
89658	Soil	0.58	18.68	4.14	56.8	37	45.9	13.8	555	2.68	1.8	0.3	<0.2	0.6	61.4	0.14	0.08	0.07	57	0.58	0.238
89661	Soil	0.80	20.77	8.27	74.3	45	29.5	11.4	623	2.71	5.0	0.3	1.1	0.4	53.9	0.16	0.17	0.10	61	0.49	0.118
89663	Soil	1.19	34.42	10.47	85.6	31	42.1	19.1	1187	3.61	32.0	0.5	<0.2	1.0	116.4	0.18	0.63	0.09	84	0.93	0.122
89665	Soil	1.05	16.89	6.35	75.5	31	27.4	12.1	992	2.48	18.5	0.3	<0.2	0.7	42.8	0.09	0.27	0.12	57	0.35	0.103
89667	Soil	1.71	18.04	6.14	78.0	45	24.4	11.9	867	2.34	39.2	0.3	<0.2	0.4	45.0	0.17	0.48	0.10	51	0.41	0.085
89669	Soil	0.49	19.84	5.99	82.8	105	34.7	13.3	648	2.91	2.0	0.3	<0.2	0.7	68.2	0.15	0.11	0.10	63	0.47	0.118
89672	Soil	0.64	21.46	4.27	85.2	145	27.3	10.5	839	2.35	2.5	0.4	<0.2	0.5	45.3	0.12	0.10	0.08	60	0.46	0.064
89673	Soil	0.62	22.55	4.86	91.9	134	28.7	11.1	975	2.40	2.5	0.4	<0.2	0.6	48.2	0.13	0.11	0.09	60	0.49	0.068
89675	Soil	0.54	16.10	5.94	68.2	77	31.3	10.8	638	2.55	2.9	0.3	<0.2	0.5	57.7	0.14	0.13	0.09	58	0.53	0.091
89677	Soil	0.53	37.56	4.34	63.6	41	117.7	32.4	880	4.71	2.0	0.8	0.6	1.8	219.3	0.12	0.10	0.05	83	1.64	0.171
89679	Soil	0.46	30.50	8.10	76.6	22	81.5	23.4	943	3.98	4.3	0.6	0.3	1.3	202.0	0.17	0.17	0.08	82	1.23	0.089
89681	Soil	0.66	37.05	5.15	73.5	37	102.0	27.3	1024	4.16	3.2	0.7	<0.2	1.0	101.4	0.16	0.11	0.06	104	1.84	0.141
89683	Soil	0.50	25.09	6.12	91.1	68	74.5	21.5	936	3.43	1.6	0.5	<0.2	0.7	135.7	0.27	0.11	0.08	68	0.98	0.146
89685	Soil	0.47	22.53	5.44	83.1	68	75.7	20.3	736	3.42	2.6	0.6	0.6	1.1	110.8	0.16	0.11	0.14	76	0.77	0.156
89687	Soil	0.39	22.11	5.22	89.1	124	73.3	20.4	613	3.29	2.9	0.6	<0.2	0.8	109.3	0.13	0.09	0.25	63	0.69	0.184
89689	Soil	0.53	25.46	5.62	62.8	32	28.1	15.7	967	3.12	2.7	0.6	<0.2	1.0	98.0	0.15	0.13	0.10	74	0.86	0.071
89690B	Rock Pulp	2.03	36.77	11.60	56.2	40	26.7	3.7	44	3.11	839.7	1.8	897.4	8.2	15.2	0.05	28.82	0.30	17	<0.01	0.024
89692	Soil	0.96	15.69	5.72	86.6	37	24.2	9.0	657	1.88	2.8	0.3	0.4	0.9	63.6	0.17	0.10	0.09	41	0.46	0.225
89694	Soil	0.91	20.40	6.87	78.2	71	26.9	10.1	1029	1.92	3.7	0.4	<0.2	0.8	118.8	0.27	0.13	0.07	43	1.03	0.245
89696	Soil	0.78	36.73	4.27	61.1	65	38.1	14.5	1249	2.41	3.1	0.7	0.3	0.8	195.6	0.22	0.11	0.07	48	1.29	0.136
89698	Soil	1.09	22.06	4.71	74.0	24	36.3	12.1	933	2.12	2.3	0.4	0.7	1.0	174.5	0.25	0.14	0.07	42	1.05	0.073

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

CERTIFICATE OF ANALYSIS VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89641	Soil	4.0	25.7	0.60	171.6	0.148	<20	2.75	0.010	0.12	<0.1	4.5	0.09	<0.02	46	<0.1	<0.02	8.7
89642	Soil	3.9	23.3	0.56	155.8	0.141	<20	2.70	0.010	0.11	<0.1	4.4	0.08	<0.02	45	0.1	<0.02	8.2
89644	Soil	6.9	30.6	0.75	161.0	0.134	<20	3.29	0.013	0.08	<0.1	6.0	0.08	0.02	60	0.2	<0.02	8.5
89646	Soil	4.2	30.1	0.53	198.6	0.147	<20	2.89	0.010	0.05	0.1	3.9	0.09	<0.02	33	<0.1	0.02	11.2
89648	Soil	7.1	24.1	0.76	145.4	0.093	<20	2.84	0.022	0.15	<0.1	5.8	0.06	0.05	54	0.1	0.02	7.4
89650	Soil	10.1	37.4	1.07	114.4	0.200	<20	3.75	0.013	0.19	<0.1	8.7	0.07	<0.02	24	0.2	<0.02	10.2
89652	Soil	6.1	34.3	0.63	158.2	0.155	<20	2.55	0.011	0.17	<0.1	4.9	0.06	<0.02	40	<0.1	<0.02	6.8
89654	Soil	6.1	42.8	1.21	80.9	0.139	<20	2.09	0.022	0.09	<0.1	3.2	<0.02	<0.02	43	<0.1	<0.02	6.2
89656	Soil	5.1	46.7	1.08	113.2	0.137	<20	2.99	0.015	0.08	<0.1	4.9	0.04	<0.02	52	0.2	<0.02	8.1
89658	Soil	3.9	39.3	0.95	97.8	0.198	<20	1.95	0.017	0.12	<0.1	4.5	<0.02	<0.02	30	0.1	<0.02	6.8
89661	Soil	5.1	31.9	0.68	156.2	0.123	<20	2.60	0.009	0.15	<0.1	3.6	0.05	<0.02	30	<0.1	0.02	7.9
89663	Soil	8.3	31.3	1.33	142.3	0.233	<20	3.78	0.012	0.18	0.2	7.9	0.07	<0.02	90	<0.1	<0.02	11.5
89665	Soil	4.2	27.8	0.54	149.6	0.135	<20	2.76	0.009	0.10	<0.1	3.7	0.10	<0.02	52	<0.1	0.04	7.9
89667	Soil	3.6	24.5	0.48	120.9	0.114	<20	2.22	0.014	0.12	0.1	3.2	0.17	0.02	72	<0.1	<0.02	6.8
89669	Soil	3.8	29.1	0.73	143.7	0.241	<20	2.75	0.012	0.10	<0.1	4.6	0.03	<0.02	17	<0.1	<0.02	7.7
89672	Soil	7.3	29.8	0.65	81.3	0.138	<20	2.16	0.019	0.08	<0.1	4.4	0.04	<0.02	18	<0.1	<0.02	6.5
89673	Soil	7.5	30.6	0.66	83.6	0.142	<20	2.20	0.018	0.08	<0.1	4.4	0.04	<0.02	27	<0.1	<0.02	6.6
89675	Soil	3.6	30.9	0.64	108.0	0.148	<20	2.27	0.014	0.10	<0.1	3.5	0.04	<0.02	47	<0.1	<0.02	6.7
89677	Soil	21.8	54.3	2.73	61.2	0.304	<20	2.91	0.037	0.18	0.1	7.8	<0.02	<0.02	15	<0.1	0.03	7.5
89679	Soil	12.7	50.8	1.37	132.2	0.337	<20	2.96	0.018	0.23	<0.1	9.0	0.03	<0.02	50	<0.1	<0.02	8.2
89681	Soil	12.5	76.1	2.56	43.3	0.410	<20	2.99	0.032	0.19	<0.1	10.6	<0.02	<0.02	31	<0.1	<0.02	9.6
89683	Soil	6.9	47.5	1.53	107.3	0.245	<20	2.79	0.019	0.20	<0.1	5.7	0.03	<0.02	29	0.1	0.03	7.6
89685	Soil	8.6	45.6	1.35	113.9	0.317	<20	3.05	0.013	0.16	<0.1	5.9	0.05	<0.02	44	<0.1	<0.02	9.0
89687	Soil	8.1	40.2	1.20	116.8	0.245	<20	3.10	0.018	0.11	<0.1	5.6	0.05	<0.02	21	0.1	<0.02	8.4
89689	Soil	7.1	31.0	1.01	133.0	0.180	<20	3.25	0.019	0.23	<0.1	7.6	0.06	<0.02	27	<0.1	<0.02	7.7
89690B	Rock Pulp	23.1	43.9	0.03	77.4	0.002	<20	0.61	0.021	0.22	0.4	5.4	0.08	<0.02	28	0.5	0.04	2.6
89692	Soil	3.9	21.1	0.57	61.0	0.127	<20	1.99	0.011	0.13	<0.1	4.4	0.04	<0.02	56	0.1	0.04	6.2
89694	Soil	7.7	20.4	0.68	78.2	0.153	<20	2.06	0.015	0.16	0.1	5.0	0.02	0.03	124	0.2	<0.02	5.9
89696	Soil	12.9	25.3	1.04	83.8	0.181	<20	2.61	0.016	0.23	<0.1	7.4	0.04	0.03	52	0.2	<0.02	6.8
89698	Soil	7.1	25.9	0.78	87.6	0.175	<20	2.27	0.016	0.40	<0.1	6.5	0.06	0.02	45	<0.1	<0.02	6.0

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

CERTIFICATE OF ANALYSIS VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89851	Soil	1.38	16.80	6.52	68.5	39	27.4	12.6	675	2.79	7.1	0.3	<0.2	1.3	27.5	0.08	0.27	0.12	59	0.31	0.108
89853	Soil	0.70	23.31	5.36	80.0	25	26.1	12.5	563	2.59	12.4	0.3	16.3	0.7	52.4	0.12	0.50	0.11	70	0.46	0.142
89855	Soil	0.47	14.89	6.42	63.8	71	10.5	7.2	603	1.60	3.4	0.2	<0.2	0.2	40.5	0.34	0.22	0.12	36	0.46	0.179
89857	Soil	0.33	20.93	4.78	64.4	120	29.1	9.8	469	2.41	3.2	0.4	0.3	0.7	51.3	0.10	0.17	0.08	62	0.62	0.037
89859	Soil	0.68	18.32	4.82	33.9	35	16.6	6.5	259	1.47	1.3	0.2	<0.2	0.2	44.8	0.11	0.11	0.07	34	0.45	0.041
89860B	Rock Pulp	1.91	36.43	11.69	54.8	44	27.5	3.8	43	3.08	816.6	1.7	893.1	7.8	13.8	0.05	29.34	0.30	17	<0.01	0.022
89862	Soil	0.67	19.52	4.79	93.0	30	20.2	9.4	757	2.11	2.9	0.3	2.6	0.3	63.6	0.26	0.20	0.13	46	0.48	0.088
89864	Soil	0.62	21.28	5.87	84.1	56	28.2	10.4	830	2.32	3.7	0.3	0.6	0.7	75.1	0.15	0.21	0.15	54	0.56	0.107
89866	Soil	1.09	23.71	5.92	74.8	34	24.4	11.7	1208	2.67	16.1	0.3	1.4	0.9	100.3	0.24	0.82	0.11	64	0.62	0.074
89868	Soil	0.89	14.75	7.17	78.7	54	23.3	9.1	762	2.05	2.4	0.2	0.6	0.4	37.1	0.13	0.17	0.13	42	0.31	0.110
89871	Soil	0.47	10.73	5.55	75.7	40	17.7	7.5	285	1.88	2.5	0.2	0.6	0.4	25.0	0.08	0.13	0.12	39	0.27	0.123
89872	Soil	0.47	11.80	6.29	75.2	50	17.7	7.0	300	1.78	2.2	0.2	1.2	0.3	26.3	0.08	0.12	0.11	37	0.28	0.103
89874	Soil	0.57	12.93	4.96	52.3	45	24.7	8.5	221	2.25	2.5	0.2	0.5	0.4	44.5	0.06	0.14	0.09	51	0.31	0.095
89876	Soil	0.29	14.79	5.19	46.8	61	19.1	6.4	291	1.62	2.7	0.3	0.5	0.4	39.3	0.08	0.16	0.09	41	0.43	0.037
89878	Soil	0.43	18.75	2.46	12.6	101	12.2	4.4	227	0.93	8.9	1.0	1.3	<0.1	73.3	0.38	0.31	0.06	95	3.90	0.094
89880	Soil	0.64	21.04	7.30	72.9	47	38.9	12.8	729	2.85	4.1	0.3	1.5	0.5	71.3	0.12	0.17	0.09	63	0.50	0.165
89882	Soil	0.63	12.50	5.19	77.8	70	26.3	8.5	530	2.17	3.1	0.3	1.4	0.8	31.5	0.10	0.09	0.10	41	0.23	0.219
89884	Soil	1.05	15.45	7.74	60.4	61	24.6	9.1	245	2.50	4.8	0.3	1.0	0.7	24.4	0.07	0.16	0.12	51	0.23	0.184
89886	Soil	0.61	27.24	7.43	101.5	84	50.3	18.4	1042	3.26	10.0	0.7	0.4	1.1	82.6	0.41	0.48	0.08	90	1.35	0.196
89888	Soil	0.65	15.25	4.99	99.2	49	24.5	9.6	877	2.19	2.4	0.2	<0.2	0.5	37.8	0.17	0.12	0.09	43	0.33	0.170
89891	Soil	0.64	18.76	6.72	79.9	24	26.5	11.6	978	2.51	2.2	0.3	<0.2	0.8	67.2	0.20	0.19	0.09	55	0.54	0.082
89893	Soil	0.58	26.52	10.37	91.2	16	26.5	15.2	1236	2.89	4.0	0.3	<0.2	0.8	129.7	0.26	0.24	0.09	63	0.65	0.093
89895	Soil	0.75	19.22	11.09	72.9	102	23.9	10.0	923	2.44	5.5	0.2	0.2	0.5	25.9	0.12	0.25	0.13	54	0.22	0.120
89897	Soil	0.86	12.76	6.72	57.7	43	20.1	8.3	432	2.44	4.0	0.2	0.7	0.4	23.2	0.06	0.14	0.13	52	0.18	0.075
89899	Soil	0.74	19.28	5.68	85.9	23	22.5	9.4	1011	2.14	3.1	0.2	<0.2	0.4	56.7	0.15	0.17	0.10	44	0.42	0.115
89901	Soil	0.81	23.29	6.12	79.6	26	28.6	12.6	991	2.43	14.9	0.3	0.8	0.7	86.4	0.17	0.37	0.07	63	0.76	0.086
89903	Soil	0.95	31.91	7.90	97.5	14	36.7	16.7	1253	3.48	33.2	0.5	0.3	1.0	110.2	0.18	0.51	0.09	86	0.92	0.103
89905	Soil	0.56	20.16	4.95	74.3	38	31.3	11.8	667	2.62	9.3	0.4	<0.2	0.9	52.9	0.09	0.23	0.07	54	0.41	0.120
89907	Soil	0.83	22.34	4.67	53.6	50	19.9	8.7	689	1.89	4.5	0.3	<0.2	0.1	44.0	0.19	0.11	0.07	38	0.44	0.077
89909	Soil	0.73	30.48	6.16	73.8	84	39.1	14.1	427	3.03	8.0	0.5	<0.2	0.5	77.9	0.15	0.27	0.08	71	0.70	0.167

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

CERTIFICATE OF ANALYSIS VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89851	Soil	4.6	27.8	0.53	141.8	0.179	<20	2.87	0.011	0.07	0.2	4.0	0.08	<0.02	36	<0.1	<0.02	8.4
89853	Soil	4.5	25.9	0.67	116.2	0.118	<20	2.54	0.011	0.10	0.1	4.0	0.11	<0.02	78	<0.1	0.03	8.0
89855	Soil	3.2	16.4	0.25	100.8	0.076	<20	1.40	0.012	0.08	<0.1	2.6	0.07	0.02	57	<0.1	<0.02	5.2
89857	Soil	6.7	32.2	0.74	71.0	0.136	<20	2.16	0.026	0.07	<0.1	4.9	0.05	<0.02	34	<0.1	<0.02	5.8
89859	Soil	3.4	18.8	0.39	62.7	0.099	<20	1.26	0.014	0.09	<0.1	2.5	0.02	0.02	41	<0.1	<0.02	3.9
89860B	Rock Pulp	22.5	43.3	0.03	70.9	0.002	<20	0.58	0.020	0.21	0.5	5.4	0.09	<0.02	20	0.4	0.03	2.5
89862	Soil	4.6	23.1	0.51	152.7	0.116	<20	1.80	0.010	0.18	<0.1	3.8	0.06	0.02	11	<0.1	<0.02	5.7
89864	Soil	5.2	25.4	0.69	145.0	0.149	<20	2.35	0.009	0.20	<0.1	4.6	0.06	<0.02	48	<0.1	0.06	6.9
89866	Soil	6.4	28.0	0.58	164.6	0.167	<20	2.05	0.007	0.23	<0.1	5.9	0.12	<0.02	68	<0.1	<0.02	6.3
89868	Soil	3.3	22.0	0.49	142.0	0.111	<20	1.88	0.008	0.12	<0.1	2.9	0.04	<0.02	50	<0.1	0.04	6.4
89871	Soil	2.7	20.0	0.45	81.3	0.095	<20	1.75	0.009	0.08	<0.1	2.5	0.04	<0.02	25	<0.1	0.03	6.4
89872	Soil	3.1	19.5	0.43	85.1	0.092	<20	1.60	0.008	0.07	<0.1	2.3	0.04	<0.02	27	<0.1	0.04	6.0
89874	Soil	3.0	24.4	0.57	82.9	0.147	<20	2.05	0.009	0.07	<0.1	2.9	0.02	<0.02	16	<0.1	0.02	7.1
89876	Soil	5.9	18.5	0.43	57.9	0.085	<20	1.50	0.017	0.04	<0.1	2.9	0.03	<0.02	19	0.2	<0.02	5.1
89878	Soil	10.9	12.0	0.37	25.9	0.026	<20	0.88	0.030	0.02	<0.1	1.3	0.03	0.14	132	0.8	0.04	2.3
89880	Soil	4.1	31.9	0.87	119.4	0.157	<20	2.89	0.010	0.14	<0.1	3.9	0.02	<0.02	47	<0.1	<0.02	8.0
89882	Soil	3.3	23.5	0.47	120.0	0.106	<20	2.31	0.010	0.08	<0.1	3.1	0.04	<0.02	21	0.1	0.03	7.2
89884	Soil	3.5	24.1	0.46	104.0	0.114	<20	2.31	0.010	0.05	<0.1	3.0	0.04	<0.02	45	<0.1	0.04	8.5
89886	Soil	9.2	39.2	0.78	139.6	0.295	<20	3.81	0.007	0.27	<0.1	7.4	0.04	<0.02	61	0.2	0.03	11.0
89888	Soil	3.7	23.5	0.52	130.8	0.108	<20	1.98	0.010	0.12	<0.1	3.2	0.04	<0.02	17	0.2	<0.02	6.8
89891	Soil	4.5	31.2	0.64	152.4	0.154	<20	2.31	0.011	0.17	<0.1	4.5	0.04	<0.02	42	0.1	0.06	6.5
89893	Soil	5.7	30.1	0.75	224.1	0.159	<20	2.74	0.011	0.25	<0.1	6.4	0.07	<0.02	57	0.2	0.02	7.4
89895	Soil	3.5	25.8	0.50	134.5	0.110	<20	2.60	0.007	0.07	<0.1	2.9	0.07	0.02	66	0.1	0.04	8.4
89897	Soil	3.3	21.2	0.47	114.5	0.111	<20	2.27	0.009	0.04	<0.1	2.5	0.04	<0.02	25	0.2	<0.02	9.2
89899	Soil	4.0	23.4	0.54	159.4	0.116	<20	2.23	0.009	0.10	<0.1	3.7	0.04	<0.02	36	<0.1	0.05	8.0
89901	Soil	6.2	27.9	0.76	147.6	0.169	<20	2.54	0.012	0.18	<0.1	5.9	0.05	<0.02	53	<0.1	0.04	8.4
89903	Soil	8.8	39.4	1.02	158.5	0.239	<20	3.00	0.013	0.27	<0.1	8.9	0.07	<0.02	71	0.2	0.03	10.3
89905	Soil	5.0	32.7	0.70	138.5	0.139	<20	2.82	0.010	0.17	<0.1	4.6	0.04	<0.02	33	<0.1	0.02	7.8
89907	Soil	4.5	21.7	0.46	103.3	0.088	<20	1.76	0.015	0.08	<0.1	2.2	0.02	0.03	28	0.2	0.03	6.0
89909	Soil	5.9	36.8	0.84	119.4	0.153	<20	3.06	0.021	0.08	<0.1	4.9	0.03	0.03	40	0.2	<0.02	8.9

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
89912	Soil	0.72	28.08	5.30	63.8	46	35.3	12.9	752	2.67	3.0	0.4	<0.2	0.3	79.1	0.29	0.17	0.05	58	0.81	0.114
89913	Soil	0.69	24.95	4.72	55.8	36	32.3	12.5	752	2.57	3.0	0.3	<0.2	0.3	71.7	0.25	0.16	0.07	56	0.77	0.099
89915	Soil	1.07	33.91	7.00	90.9	72	26.9	13.6	1355	2.64	7.8	0.4	<0.2	0.3	70.3	0.28	0.26	0.11	58	0.59	0.220
89917	Soil	0.79	30.09	8.60	101.2	99	28.6	13.3	1776	2.59	11.5	0.4	<0.2	0.4	92.5	0.25	0.24	0.36	51	0.65	0.177
89919	Soil	0.75	20.21	4.94	60.6	51	15.4	7.1	1353	1.46	2.2	0.2	0.7	0.2	48.0	0.28	0.16	0.11	29	0.66	0.043
89921	Soil	0.57	16.24	5.35	46.6	71	21.4	6.6	767	1.55	7.3	0.4	3.2	0.5	37.8	0.11	0.27	0.07	36	0.40	0.025
89923	Soil	0.70	16.82	5.35	82.1	30	22.1	9.2	933	2.38	3.2	0.3	<0.2	1.0	78.2	0.15	0.27	0.08	59	0.46	0.039
89925	Soil	0.77	25.00	6.28	88.0	40	32.3	13.9	1000	2.87	4.2	0.4	1.6	1.1	102.5	0.13	0.31	0.07	67	0.64	0.078
89927	Soil	0.89	22.33	5.14	112.1	36	23.1	9.3	1204	1.89	2.9	0.2	<0.2	0.4	95.8	0.65	0.17	0.07	37	1.08	0.082
89929	Soil	0.65	26.81	13.45	84.5	44	37.5	12.9	863	2.82	7.0	0.4	0.4	0.7	100.9	0.15	0.24	0.06	64	0.70	0.138
89930B	Rock Pulp	2.02	37.69	11.52	62.8	34	26.5	4.1	57	3.01	808.0	1.7	807.3	8.0	15.2	0.05	32.84	0.26	16	0.01	0.023
89932	Soil	1.89	28.92	6.27	79.9	41	26.1	10.1	1089	1.94	3.8	0.3	0.4	0.2	53.4	0.28	0.15	0.12	38	0.49	0.153
89934	Soil	0.66	23.18	5.40	53.4	34	33.6	13.5	332	3.10	6.0	0.4	1.5	0.7	162.8	0.10	0.46	0.08	78	0.74	0.136
89936	Soil	1.11	32.55	6.50	49.5	84	30.0	11.8	539	2.61	4.8	0.4	1.3	0.4	111.9	0.29	0.55	0.09	61	1.05	0.062
89938	Soil	1.37	68.83	6.77	48.4	174	37.8	12.0	938	2.27	17.0	0.7	1.4	0.6	51.0	0.80	0.31	0.13	65	1.14	0.168
89940	Soil	1.17	37.80	6.08	92.4	101	24.3	10.4	933	2.04	3.8	0.3	0.7	0.2	63.2	0.63	0.22	0.10	40	1.10	0.141
89942	Soil	1.26	39.15	6.49	99.3	102	25.1	10.6	973	2.08	4.1	0.3	0.9	0.2	66.0	0.67	0.20	0.10	41	1.19	0.150
89944	Soil	0.76	34.08	5.35	111.7	77	26.1	13.5	1119	2.62	11.6	0.5	0.5	1.4	80.6	0.66	0.33	0.09	53	0.80	0.105
89946	Soil	0.66	33.15	7.33	87.8	38	35.5	19.5	1069	3.24	21.3	0.5	1.4	1.1	91.8	0.44	0.54	0.08	67	0.98	0.094
89948	Soil	1.05	28.82	6.67	127.6	58	20.8	11.6	1782	2.15	7.7	0.3	0.3	0.3	85.6	0.52	0.29	0.08	44	0.80	0.073
90000	Soil	0.58	19.15	6.69	93.0	24	31.8	12.0	742	2.47	1.3	0.6	<0.2	0.9	94.8	0.18	0.15	0.08	59	0.74	0.051
90002	Soil	0.41	37.40	7.12	70.7	16	55.0	20.9	887	3.42	2.7	1.0	<0.2	1.5	175.7	0.11	0.30	0.06	87	1.32	0.096
90004	Soil	1.02	19.70	6.19	89.2	41	29.5	12.7	752	2.73	7.6	0.4	<0.2	1.2	32.9	0.13	0.36	0.11	58	0.43	0.124
90006	Soil	0.56	21.37	6.29	111.8	40	24.2	10.3	947	1.90	1.7	0.3	<0.2	0.5	78.2	0.59	0.16	0.08	45	0.75	0.071
90008	Soil	0.64	20.05	8.55	92.5	29	26.3	11.7	1114	2.29	2.6	0.4	<0.2	0.8	130.2	0.33	0.25	0.10	54	0.84	0.070
90011	Soil	0.75	32.95	6.87	65.1	45	32.4	15.3	1004	2.68	2.3	0.5	<0.2	0.8	124.2	0.33	0.40	0.08	60	0.93	0.080
90012	Soil	0.76	32.49	7.46	69.4	43	34.7	16.0	1007	2.82	2.3	0.5	0.5	0.9	135.4	0.30	0.43	0.07	64	0.98	0.082
90014	Soil	1.57	20.52	7.87	100.0	60	18.4	9.8	1169	1.79	2.2	0.2	0.2	0.2	103.4	0.53	0.28	0.09	38	0.99	0.095
90016	Soil	0.63	27.56	7.71	48.5	153	23.9	8.9	459	1.73	7.9	0.3	0.2	0.1	59.7	0.90	0.46	0.09	60	1.96	0.094
90018	Soil	0.75	17.90	9.33	45.9	79	30.9	12.3	273	2.28	8.3	0.6	1.8	0.7	122.5	0.14	0.26	0.10	75	1.24	0.127

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
89912	Soil	5.1	34.0	0.75	118.6	0.172	<20	2.28	0.019	0.16	<0.1	4.7	0.04	0.03	34	<0.1	0.04	7.2
89913	Soil	4.5	32.9	0.72	112.8	0.150	<20	2.24	0.018	0.15	<0.1	4.0	0.02	0.03	19	0.1	<0.02	6.6
89915	Soil	5.5	24.1	0.62	153.0	0.094	<20	2.55	0.009	0.08	<0.1	3.8	0.05	0.03	81	0.2	0.04	8.6
89917	Soil	5.6	28.5	0.64	266.0	0.105	<20	2.61	0.007	0.17	<0.1	3.8	<0.02	0.03	66	0.4	<0.02	8.3
89919	Soil	3.1	17.1	0.32	107.0	0.069	<20	1.32	0.011	0.07	<0.1	2.3	0.05	0.03	51	0.2	<0.02	4.4
89921	Soil	6.7	31.6	0.33	85.2	0.077	<20	1.34	0.015	0.06	<0.1	4.0	0.05	<0.02	43	0.1	<0.02	4.0
89923	Soil	4.4	31.1	0.52	128.9	0.185	<20	1.76	0.014	0.16	<0.1	4.7	0.05	<0.02	33	<0.1	<0.02	5.3
89925	Soil	7.8	35.9	0.74	139.3	0.198	<20	2.55	0.010	0.18	<0.1	6.7	0.05	<0.02	62	0.1	<0.02	7.8
89927	Soil	4.3	23.6	0.50	165.6	0.111	<20	1.75	0.010	0.19	<0.1	3.6	0.04	0.03	51	<0.1	0.02	5.6
89929	Soil	6.0	34.2	0.80	152.7	0.158	<20	2.70	0.015	0.19	<0.1	5.6	0.04	<0.02	58	0.1	0.04	7.9
89930B	Rock Pulp	23.6	43.3	0.03	70.0	0.002	<20	0.58	0.021	0.21	0.5	5.4	0.07	<0.02	20	0.7	0.03	2.8
89932	Soil	5.0	24.3	0.48	142.1	0.095	<20	1.80	0.010	0.13	<0.1	2.8	0.03	0.03	40	0.1	0.04	5.3
89934	Soil	5.2	34.7	0.84	132.3	0.217	<20	2.59	0.015	0.10	<0.1	5.0	0.04	<0.02	75	<0.1	<0.02	7.1
89936	Soil	6.1	29.2	0.72	123.3	0.132	<20	2.00	0.020	0.13	<0.1	4.6	0.04	0.04	116	0.1	<0.02	5.8
89938	Soil	14.8	28.5	0.56	68.0	0.088	<20	2.43	0.027	0.08	<0.1	5.2	0.07	0.06	39	0.6	<0.02	5.8
89940	Soil	4.7	23.3	0.57	116.9	0.085	<20	1.77	0.011	0.18	<0.1	2.8	0.04	0.06	48	<0.1	<0.02	5.3
89942	Soil	5.0	24.2	0.59	122.9	0.087	<20	1.84	0.012	0.19	<0.1	2.8	0.04	0.07	53	0.1	0.02	5.6
89944	Soil	8.7	32.0	0.59	164.3	0.095	<20	2.11	0.009	0.29	<0.1	5.6	0.06	0.03	26	<0.1	0.02	6.0
89946	Soil	11.5	39.9	0.80	156.2	0.108	<20	2.07	0.008	0.42	<0.1	6.8	0.06	0.02	44	<0.1	0.03	6.2
89948	Soil	5.8	22.6	0.53	220.2	0.066	<20	1.54	0.011	0.28	<0.1	3.9	0.07	0.03	57	<0.1	<0.02	4.8
90000	Soil	6.6	38.0	0.73	92.1	0.317	<20	2.10	0.026	0.24	0.1	6.5	0.04	<0.02	37	<0.1	<0.02	6.2
90002	Soil	14.3	51.8	1.21	80.4	0.395	<20	2.90	0.032	0.25	0.2	10.4	0.03	<0.02	60	<0.1	<0.02	8.2
90004	Soil	5.8	29.0	0.62	150.3	0.182	<20	2.92	0.009	0.07	0.2	5.0	0.09	<0.02	45	<0.1	<0.02	9.2
90006	Soil	4.6	26.8	0.53	134.6	0.172	<20	1.69	0.014	0.20	<0.1	3.9	0.04	0.02	67	<0.1	<0.02	5.2
90008	Soil	5.5	28.3	0.60	166.1	0.204	<20	1.77	0.014	0.19	<0.1	4.7	0.04	<0.02	81	<0.1	<0.02	5.2
90011	Soil	8.0	30.8	0.76	138.0	0.186	<20	2.04	0.017	0.21	<0.1	6.2	<0.02	0.02	78	0.1	<0.02	5.7
90012	Soil	8.4	32.0	0.80	140.9	0.199	<20	2.10	0.017	0.23	<0.1	6.3	0.04	0.02	77	<0.1	0.02	6.0
90014	Soil	4.2	19.6	0.39	167.7	0.100	<20	1.30	0.013	0.13	<0.1	2.7	0.03	0.04	186	0.1	<0.02	4.6
90016	Soil	8.6	20.3	0.58	61.6	0.064	<20	1.68	0.026	0.05	<0.1	2.5	0.04	0.09	104	0.9	<0.02	4.9
90018	Soil	5.5	31.9	0.84	110.2	0.141	<20	2.50	0.017	0.08	<0.1	5.0	0.04	0.04	152	0.2	<0.02	7.6

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

CERTIFICATE OF ANALYSIS VAN15001707.1

Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
90020	Soil	0.53	26.61	5.74	99.0	184	35.4	12.9	440	2.84	9.2	0.6	1.5	1.5	49.3	0.14	0.26	0.10	58	0.40	0.308
90022	Soil	0.55	30.49	5.25	95.6	166	39.3	14.4	526	3.20	7.3	0.5	0.4	1.0	95.0	0.15	0.42	0.08	68	0.52	0.228
90024	Soil	0.68	30.28	6.44	74.7	106	33.5	14.4	630	3.06	6.4	0.5	1.1	1.1	67.4	0.10	0.29	0.09	63	0.75	0.182
90026	Soil	0.67	26.87	6.66	93.1	19	43.0	14.1	900	2.43	2.1	0.6	<0.2	1.5	255.6	0.24	0.14	0.06	47	1.11	0.106
90028	Soil	0.36	42.68	6.38	78.8	21	70.6	23.0	962	3.44	5.1	0.9	0.2	1.9	554.3	0.14	0.17	0.07	71	1.66	0.143
90030B	Rock Pulp	2.04	37.56	12.66	59.1	34	27.2	3.8	43	2.99	816.9	1.9	864.0	8.8	15.3	0.04	31.23	0.31	16	<0.01	0.023
90031	Soil	0.66	35.81	9.81	75.9	51	56.7	17.8	942	3.59	5.9	0.8	0.9	2.1	204.7	0.17	0.20	0.10	82	0.99	0.176
90033	Soil	0.87	17.61	6.04	104.9	58	28.7	11.0	778	2.46	5.6	0.3	0.7	0.5	45.3	0.19	0.18	0.10	50	0.45	0.327
90035	Soil	0.41	12.75	5.22	47.1	77	18.0	7.1	180	1.95	4.1	0.3	0.4	0.7	34.6	0.09	0.11	0.10	42	0.38	0.281
90037	Soil	0.41	40.70	12.50	63.0	61	60.8	20.6	748	3.44	5.1	0.9	<0.2	1.7	284.9	0.15	0.20	0.09	80	1.52	0.111
90039	Soil	0.34	47.04	8.42	66.1	46	65.3	21.8	1042	3.48	5.0	1.0	1.1	1.9	354.6	0.15	0.15	0.07	87	2.59	0.123
90051	Soil	0.86	23.49	16.23	77.8	26	31.1	12.2	1454	2.46	2.7	0.2	0.7	0.1	74.4	0.14	0.22	0.11	56	0.67	0.086
90053	Soil	0.73	19.06	5.93	93.1	63	24.4	10.3	987	2.28	2.7	0.2	0.3	0.5	33.6	0.18	0.18	0.10	45	0.30	0.083
90055	Soil	0.61	23.06	5.93	49.1	48	28.8	11.6	318	2.23	1.5	0.3	0.3	0.2	83.3	0.42	0.09	0.08	50	0.96	0.045
90100	Soil	0.61	26.46	5.36	81.5	148	35.0	13.2	604	2.78	13.5	0.4	2.2	0.7	64.2	0.13	0.37	0.09	61	0.47	0.209
90102	Soil	0.53	23.78	9.56	92.6	90	27.6	11.0	769	2.39	3.8	0.4	0.7	0.5	83.8	0.28	0.24	0.08	54	0.84	0.270
90104	Soil	1.23	20.43	10.54	81.5	55	30.2	12.0	891	2.25	2.4	0.4	<0.2	0.7	105.0	0.34	0.19	0.11	54	1.03	0.166

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Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

CERTIFICATE OF ANALYSIS VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
90020	Soil	6.2	33.7	0.64	116.2	0.126	<20	3.19	0.009	0.11	<0.1	5.4	0.06	<0.02	40	<0.1	<0.02	8.3
90022	Soil	6.9	32.1	0.76	148.3	0.116	<20	3.28	0.011	0.17	<0.1	5.7	0.05	<0.02	56	<0.1	<0.02	8.6
90024	Soil	8.6	32.4	0.79	130.8	0.216	<20	3.17	0.011	0.07	0.1	7.6	0.05	<0.02	62	0.1	<0.02	9.2
90026	Soil	11.1	27.6	1.08	113.9	0.246	<20	2.76	0.019	0.37	<0.1	8.1	0.04	0.02	77	0.1	0.02	7.1
90028	Soil	12.2	35.7	1.96	173.2	0.360	<20	4.04	0.044	0.23	<0.1	11.2	0.04	0.02	101	0.2	0.06	9.7
90030B	Rock Pulp	24.1	44.7	0.03	75.9	0.002	<20	0.59	0.021	0.21	0.4	5.4	0.09	<0.02	25	0.4	<0.02	2.7
90031	Soil	10.3	34.1	1.40	120.9	0.316	<20	4.75	0.013	0.14	0.1	7.9	0.04	<0.02	49	0.1	<0.02	11.9
90033	Soil	3.8	27.7	0.53	121.8	0.116	<20	2.71	0.009	0.07	<0.1	3.2	0.05	<0.02	66	0.1	<0.02	8.2
90035	Soil	3.8	19.5	0.43	62.6	0.114	<20	2.22	0.012	0.06	<0.1	3.1	0.02	<0.02	46	0.1	<0.02	7.1
90037	Soil	13.1	32.5	1.57	114.4	0.304	<20	3.77	0.035	0.10	0.1	9.5	0.03	0.03	80	0.2	0.04	10.5
90039	Soil	13.9	30.2	2.02	89.8	0.356	<20	4.41	0.042	0.20	<0.1	10.5	0.02	<0.02	70	0.1	<0.02	12.1
90051	Soil	4.6	29.0	0.72	177.8	0.121	<20	2.52	0.008	0.16	<0.1	2.8	0.04	0.04	73	0.2	<0.02	6.9
90053	Soil	4.0	25.6	0.49	178.4	0.099	<20	2.15	0.008	0.08	<0.1	3.0	0.04	<0.02	41	<0.1	0.02	7.0
90055	Soil	3.1	22.7	0.65	113.1	0.220	<20	2.05	0.022	0.07	<0.1	3.3	0.02	0.03	55	0.6	<0.02	6.6
90100	Soil	6.8	30.7	0.59	136.5	0.110	<20	2.84	0.008	0.13	<0.1	4.4	0.07	<0.02	77	0.1	<0.02	8.1
90102	Soil	4.9	27.6	0.64	121.7	0.155	<20	2.17	0.010	0.13	<0.1	4.1	0.04	0.04	128	0.1	<0.02	6.9
90104	Soil	4.9	23.7	0.79	74.5	0.195	<20	2.00	0.015	0.15	<0.1	4.9	0.03	0.03	127	0.2	<0.02	7.5

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 13, 2015

QUALITY CONTROL REPORT VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
89685	Soil	0.47	22.53	5.44	83.1	68	75.7	20.3	736	3.42	2.6	0.6	0.6	1.1	110.8	0.16	0.11	0.14	76	0.77	0.156
REP 89685	QC	0.47	24.64	5.69	86.1	51	76.2	20.7	761	3.39	2.8	0.6	<0.2	1.1	116.0	0.16	0.11	0.14	77	0.78	0.150
89907	Soil	0.83	22.34	4.67	53.6	50	19.9	8.7	689	1.89	4.5	0.3	<0.2	0.1	44.0	0.19	0.11	0.07	38	0.44	0.077
REP 89907	QC	0.77	20.25	4.80	54.4	50	19.4	8.8	681	1.91	4.4	0.3	0.2	0.1	42.9	0.16	0.11	0.08	38	0.45	0.079
90028	Soil	0.36	42.68	6.38	78.8	21	70.6	23.0	962	3.44	5.1	0.9	0.2	1.9	554.3	0.14	0.17	0.07	71	1.66	0.143
REP 90028	QC	0.34	42.85	6.63	79.4	26	70.5	22.9	982	3.49	5.0	0.9	<0.2	2.0	563.8	0.15	0.18	0.07	72	1.66	0.147
Reference Materials																					
STD DS10	Standard	15.66	167.40	164.20	394.5	2072	80.7	13.7	913	2.87	48.1	2.9	117.7	7.9	69.4	2.91	9.14	12.96	43	1.11	0.084
STD DS10	Standard	13.44	173.18	160.52	409.8	1897	77.3	14.0	936	2.75	45.9	2.5	61.8	7.1	69.8	2.67	9.46	12.18	41	1.09	0.080
STD DS10	Standard	14.00	162.51	151.68	369.5	1960	77.4	13.3	900	2.85	48.4	2.8	69.8	7.0	66.1	2.63	8.29	11.78	43	1.09	0.080
STD OREAS45EA	Standard	1.57	664.32	14.51	31.8	248	379.7	50.6	381	21.31	10.2	1.8	52.8	10.0	3.5	0.02	0.35	0.25	299	0.04	0.029
STD OREAS45EA	Standard	1.55	708.67	14.04	35.1	236	397.5	56.0	431	22.49	11.9	1.8	54.9	10.0	4.3	0.03	0.38	0.24	309	0.04	0.033
STD OREAS45EA	Standard	1.70	756.58	14.06	32.9	288	432.5	55.9	441	24.56	12.1	1.7	60.2	9.4	3.9	0.03	0.34	0.25	332	0.04	0.031
STD DS10 Expected		14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Project: None Given
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QUALITY CONTROL REPORT VAN15001707.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
89685	Soil	8.6	45.6	1.35	113.9	0.317	<20	3.05	0.013	0.16	<0.1	5.9	0.05	<0.02	44	<0.1	<0.02	9.0
REP 89685	QC	8.5	46.9	1.36	115.8	0.320	<20	3.09	0.016	0.16	<0.1	5.7	0.05	<0.02	31	<0.1	<0.02	9.0
89907	Soil	4.5	21.7	0.46	103.3	0.088	<20	1.76	0.015	0.08	<0.1	2.2	0.02	0.03	28	0.2	0.03	6.0
REP 89907	QC	4.6	22.5	0.46	106.0	0.088	<20	1.76	0.015	0.08	<0.1	2.2	0.03	0.03	27	<0.1	<0.02	6.1
90028	Soil	12.2	35.7	1.96	173.2	0.360	<20	4.04	0.044	0.23	<0.1	11.2	0.04	0.02	101	0.2	0.06	9.7
REP 90028	QC	12.5	36.5	1.94	169.1	0.370	<20	4.03	0.044	0.23	<0.1	11.5	0.04	0.02	101	0.2	0.05	10.0
Reference Materials																		
STD DS10	Standard	18.6	58.8	0.83	455.1	0.083	<20	1.07	0.070	0.34	3.6	3.0	5.59	0.29	306	2.3	5.19	4.6
STD DS10	Standard	16.0	56.8	0.79	405.5	0.080	<20	1.02	0.066	0.32	2.7	3.0	5.16	0.28	328	2.3	4.80	4.4
STD DS10	Standard	16.7	56.6	0.81	431.8	0.082	<20	1.05	0.067	0.33	3.1	2.9	5.34	0.29	296	2.3	4.73	4.4
STD OREAS45EA	Standard	6.7	837.9	0.09	142.7	0.095	<20	3.12	0.019	0.05	<0.1	73.0	0.06	0.03	8	0.9	0.08	11.8
STD OREAS45EA	Standard	7.0	829.8	0.11	145.5	0.103	<20	3.26	0.020	0.05	<0.1	81.1	0.06	0.03	7	1.4	0.07	13.9
STD OREAS45EA	Standard	7.0	929.6	0.09	147.2	0.104	<20	3.53	0.020	0.06	<0.1	80.0	0.06	0.04	13	1.1	0.11	13.1
STD DS10 Expected		17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

BUREAU VERITAS MINERAL LABORATORIES Canada

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

Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Submitted By: Ken Armstrong
Receiving Lab: Canada-Vancouver
Received: July 14, 2015
Report Date: August 06, 2015
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN15001708.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	3135-15-03
P.O. Number	3135
Number of Samples:	16

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	15	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	1	Sorting, labeling and boxing samples received as pulps			VAN
LF202	2	Total Whole Rock Characterization with AQ200	0.2	Completed	VAN
AQ200	16	1:1:1 Aqua Regia digestion ICP-analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Strongbow Exploration Inc.
960 - 789 West Pender
Vancouver BC V6P 6E5
CANADA

CC: Robert Campbell

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 06, 2015

CERTIFICATE OF ANALYSIS VAN15001708.1

	Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
89690A	Rock Pulp	0.07																			
89951	Rock	1.46																			
89952	Rock	1.00																			
89953	Rock	1.36																			
89954	Rock	1.12																			
89955	Rock	1.16																			
89956	Rock	0.89																			
89957	Rock	0.53																			
89958	Rock	1.31																			
89959	Rock	0.42																			
89960	Rock	0.55																			
89961	Rock	1.15																			
89962	Rock	1.00																			
89963	Rock	0.89																			
89950	Rock	1.81	53.38	18.15	8.07	3.26	7.55	3.84	1.03	0.99	0.31	0.18	0.010	39	19	3.0	99.73	427	3	22.9	<0.1
89964	Rock	0.97	54.54	16.51	6.68	3.18	7.97	3.56	1.02	0.98	0.37	0.10	0.012	38	16	4.8	99.73	540	2	18.6	0.7

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Project: None Given
Report Date: August 06, 2015

CERTIFICATE OF ANALYSIS VAN15001708.1

	Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Analyte	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
89690A	Rock Pulp																				
89951	Rock																				
89952	Rock																				
89953	Rock																				
89954	Rock																				
89955	Rock																				
89956	Rock																				
89957	Rock																				
89958	Rock																				
89959	Rock																				
89960	Rock																				
89961	Rock																				
89962	Rock																				
89963	Rock																				
89950	Rock	21.9	2.4	5.2	13.9	1	818.9	0.3	1.0	0.6	191	<0.5	118.0	17.8	15.3	34.0	4.02	17.5	3.88	1.22	3.52
89964	Rock	16.8	3.8	8.5	14.5	<1	692.2	0.5	2.5	1.0	145	0.9	170.8	19.0	20.6	43.4	5.14	20.7	4.53	1.26	4.17

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960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 06, 2015

CERTIFICATE OF ANALYSIS VAN15001708.1

	Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb
	MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5
89690A	Rock Pulp										2.0	35.1	12.4	56	<0.1	26.0	3.6	46	2.98	825.7	776.4
89951	Rock										3.1	44.4	12.0	68	<0.1	45.0	22.4	419	4.89	409.4	2.1
89952	Rock										0.6	39.4	9.6	69	<0.1	45.6	27.7	778	3.89	57.0	1.7
89953	Rock										0.1	16.4	3.6	26	<0.1	12.2	7.8	265	1.49	7.7	1.7
89954	Rock										1.1	54.7	8.4	79	<0.1	54.1	23.1	700	3.99	85.3	1.4
89955	Rock										10.8	26.2	12.4	23	0.1	14.6	2.7	121	6.66	1079.7	5.3
89956	Rock										1.6	40.5	3.8	66	<0.1	63.1	23.1	1086	4.77	18.5	4.5
89957	Rock										27.3	10.4	9.6	73	0.4	3.9	1.7	106	1.55	65.1	55.6
89958	Rock										0.2	25.2	5.1	59	<0.1	50.6	19.7	919	4.12	1.3	2.4
89959	Rock										10.1	9.3	12.0	23	0.4	2.4	1.6	143	1.86	77.4	16.9
89960	Rock										0.2	2.5	5.7	8	<0.1	1.1	0.7	91	0.48	1.3	1.8
89961	Rock										0.2	31.8	5.2	55	<0.1	27.6	11.1	808	3.54	4.9	<0.5
89962	Rock										0.5	33.4	3.6	39	<0.1	15.7	13.5	949	3.81	4.2	1.1
89963	Rock										0.5	30.8	4.3	38	<0.1	12.4	14.5	1239	4.35	2.9	<0.5
89950	Rock	0.54	2.98	0.65	1.82	0.26	1.65	0.24	0.08	<0.02	0.6	53.2	5.9	63	<0.1	30.2	16.7	900	3.78	1.5	<0.5
89964	Rock	0.62	3.71	0.69	2.07	0.29	2.01	0.28	0.60	<0.02	1.4	41.7	36.0	75	<0.1	36.8	17.5	702	3.93	1.8	1.2

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 06, 2015

CERTIFICATE OF ANALYSIS VAN15001708.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm
	MDL	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1
89690A	Rock Pulp	8.6	16	<0.1	15.8	0.3	17	<0.01	0.023	25	43	0.03	73	0.002	<20	0.59	0.023	0.21	0.3	0.03	5.1
89951	Rock	0.9	185	<0.1	2.7	<0.1	230	3.31	0.103	7	40	1.22	40	0.328	<20	7.10	0.025	0.28	0.2	2.58	17.7
89952	Rock	0.8	127	0.1	0.6	<0.1	151	1.75	0.117	15	34	1.59	81	0.449	<20	3.27	0.110	0.10	0.3	0.64	14.1
89953	Rock	0.2	219	<0.1	0.1	<0.1	62	5.01	0.040	4	13	0.36	34	0.082	<20	8.22	0.575	0.09	<0.1	0.04	5.6
89954	Rock	2.2	141	0.1	0.7	<0.1	141	2.34	0.168	21	60	1.83	33	0.371	<20	4.33	0.046	0.12	0.3	0.65	15.4
89955	Rock	1.3	63	<0.1	7.8	<0.1	69	0.62	0.080	12	27	0.40	46	0.174	<20	1.97	0.051	0.14	<0.1	5.86	7.0
89956	Rock	0.8	25	0.1	0.2	<0.1	92	0.31	0.101	11	58	0.07	73	0.003	<20	0.49	0.022	0.11	<0.1	0.04	6.5
89957	Rock	0.2	17	0.6	0.3	<0.1	18	0.18	0.055	5	5	0.17	28	0.001	<20	0.44	0.006	0.05	<0.1	0.14	1.5
89958	Rock	0.8	84	<0.1	<0.1	<0.1	83	3.86	0.106	7	45	1.60	198	0.002	<20	0.48	0.034	0.11	<0.1	<0.01	7.1
89959	Rock	1.0	18	<0.1	0.9	<0.1	20	0.10	0.052	14	3	0.09	48	0.002	<20	0.34	0.028	0.18	<0.1	0.23	1.6
89960	Rock	0.9	40	<0.1	<0.1	<0.1	4	0.16	0.012	3	2	0.02	84	0.009	<20	0.29	0.121	0.14	<0.1	<0.01	0.5
89961	Rock	0.6	73	<0.1	0.4	<0.1	83	5.89	0.150	20	34	0.74	38	0.006	<20	0.95	0.008	0.06	<0.1	<0.01	9.8
89962	Rock	0.6	38	0.1	1.1	<0.1	98	5.70	0.155	17	42	0.19	69	0.013	<20	0.65	0.001	0.04	<0.1	0.02	12.3
89963	Rock	0.4	38	0.2	0.4	<0.1	89	9.17	0.113	16	29	0.97	50	0.014	<20	0.59	0.002	0.02	<0.1	<0.01	9.3
89950	Rock	0.9	191	<0.1	0.3	<0.1	153	1.72	0.136	14	27	0.80	48	0.429	<20	2.44	0.329	0.06	0.2	<0.01	6.3
89964	Rock	0.4	185	0.1	0.1	<0.1	117	2.93	0.152	16	50	1.54	161	0.282	<20	2.18	0.219	0.07	<0.1	0.02	7.5

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 06, 2015

CERTIFICATE OF ANALYSIS VAN15001708.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	ppm	ppm
	MDL	0.1	0.05	1	0.5	0.2
89690A	Rock Pulp	<0.1	<0.05	3	0.6	<0.2
89951	Rock	0.2	<0.05	20	<0.5	<0.2
89952	Rock	<0.1	<0.05	11	<0.5	<0.2
89953	Rock	<0.1	<0.05	6	<0.5	<0.2
89954	Rock	<0.1	<0.05	15	<0.5	<0.2
89955	Rock	0.7	0.25	7	<0.5	<0.2
89956	Rock	0.1	<0.05	1	<0.5	<0.2
89957	Rock	<0.1	0.09	2	<0.5	0.5
89958	Rock	<0.1	<0.05	2	<0.5	<0.2
89959	Rock	<0.1	<0.05	1	0.5	0.3
89960	Rock	<0.1	<0.05	<1	<0.5	<0.2
89961	Rock	<0.1	<0.05	5	<0.5	<0.2
89962	Rock	<0.1	<0.05	2	<0.5	<0.2
89963	Rock	<0.1	<0.05	1	<0.5	<0.2
89950	Rock	<0.1	<0.05	7	<0.5	<0.2
89964	Rock	<0.1	<0.05	7	<0.5	<0.2

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Vancouver BC V6P 6E5 CANADA

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Report Date: August 06, 2015

QUALITY CONTROL REPORT VAN15001708.1

	Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
Pulp Duplicates																					
89956	Rock	0.89																			
REP 89956	QC																				
89964	Rock	0.97	54.54	16.51	6.68	3.18	7.97	3.56	1.02	0.98	0.37	0.10	0.012	38	16	4.8	99.73	540	2	18.6	0.7
REP 89964	QC																				
Reference Materials																					
STD DS10	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45EA	Standard																				
STD SO-18	Standard		58.03	14.20	7.56	3.36	6.35	3.74	2.16	0.69	0.79	0.39	0.552	41	24	1.9	99.73	504	<1	24.5	6.8
STD SO-19	Standard		60.52	14.02	7.43	2.92	5.90	4.03	1.29	0.70	0.30	0.13	0.490	455	26	1.9	99.73	464	24	23.4	4.6
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS10 Expected																					
STD OREAS45EA Expected																					
STD SO-18 Expected			58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1
STD SO-19 Expected			61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	470	27			486	20	24	4.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank		0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.02	<1	<1	<0.2	<0.1
Prep Wash																					
ROCK-VAN	Prep Blank		70.88	14.07	3.03	0.84	2.44	4.45	2.07	0.35	0.09	0.08	<0.002	<20	7	1.5	99.78	788	2	3.9	0.2
ROCK-VAN	Prep Blank		70.68	14.09	2.97	0.84	2.42	4.48	2.01	0.35	0.08	0.08	<0.002	<20	7	1.8	99.78	806	6	3.9	0.2

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QUALITY CONTROL REPORT VAN15001708.1

		Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Analyte	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
Pulp Duplicates																						
89956	Rock																					
REP 89956	QC																					
89964	Rock		16.8	3.8	8.5	14.5	<1	692.2	0.5	2.5	1.0	145	0.9	170.8	19.0	20.6	43.4	5.14	20.7	4.53	1.26	4.17
REP 89964	QC																					
Reference Materials																						
STD DS10	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD OREAS45EA	Standard																					
STD SO-18	Standard		17.4	8.7	19.5	27.5	14	406.0	6.8	9.1	17.0	200	14.4	293.8	29.7	12.5	28.0	3.19	11.9	2.63	0.84	2.93
STD SO-19	Standard		16.8	2.8	68.7	18.8	18	329.4	4.8	12.8	19.7	166	9.4	108.9	34.2	67.9	162.8	18.87	72.2	12.72	3.46	10.24
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD DS10 Expected																						
STD OREAS45EA Expected																						
STD SO-18 Expected			17.6	9.8	19.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93
STD SO-19 Expected			17.5	3.1	68.5	19.5	19	317.1	4.9	13	18.9	155	9.8	112	35.5	71.3	161	19.4	75.7	13.7	3.81	10.53
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
Prep Wash																						
ROCK-VAN	Prep Blank		11.6	3.2	5.5	37.8	1	219.4	0.5	2.8	1.8	31	1.4	135.0	17.3	14.1	27.3	3.01	11.3	2.50	0.68	2.76
ROCK-VAN	Prep Blank		13.0	3.2	5.5	38.1	<1	221.0	0.5	2.8	1.3	34	0.7	126.7	15.6	14.7	26.3	3.00	12.0	2.63	0.78	2.68

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Client: **Strongbow Exploration Inc.**
960 - 789 West Pender
Vancouver BC V6P 6E5 CANADA

Project: None Given
Report Date: August 06, 2015

QUALITY CONTROL REPORT VAN15001708.1

	Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb
	MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5
Pulp Duplicates																					
89956	Rock										1.6	40.5	3.8	66	<0.1	63.1	23.1	1086	4.77	18.5	4.5
REP 89956	QC										1.5	41.1	4.0	64	<0.1	63.5	23.1	1087	4.78	19.0	5.8
89964	Rock	0.62	3.71	0.69	2.07	0.29	2.01	0.28	0.60	<0.02	1.4	41.7	36.0	75	<0.1	36.8	17.5	702	3.93	1.8	1.2
REP 89964	QC								0.59	<0.02											
Reference Materials																					
STD DS10	Standard										14.3	156.7	150.8	362	1.5	78.1	12.7	887	2.74	45.3	72.6
STD GS311-1	Standard								1.04	2.35											
STD GS910-4	Standard								2.72	8.13											
STD OREAS45EA	Standard										1.4	670.2	14.4	30	0.2	381.5	49.0	389	20.57	10.3	45.9
STD SO-18	Standard	0.48	2.98	0.64	1.86	0.29	1.81	0.26													
STD SO-19	Standard	1.38	7.45	1.43	3.46	0.53	3.42	0.51													
STD GS311-1 Expected									1.02	2.35											
STD GS910-4 Expected									2.65	8.27											
STD DS10 Expected											14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9
STD OREAS45EA Expected											1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27													
STD SO-19 Expected		1.41	7.5	1.39	3.78	0.55	3.55	0.53													
BLK	Blank								<0.02	<0.02											
BLK	Blank										<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01													
Prep Wash																					
ROCK-VAN	Prep Blank	0.43	2.77	0.58	1.74	0.31	2.17	0.37	0.04	0.05	0.8	8.7	5.3	613	<0.1	0.6	3.7	465	1.85	0.9	5.2
ROCK-VAN	Prep Blank	0.44	2.80	0.60	1.90	0.28	2.05	0.35	0.04	0.06	1.4	8.6	4.0	579	<0.1	0.8	3.7	458	1.81	0.9	1.3

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm
	MDL	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1
Pulp Duplicates																					
89956	Rock	0.8	25	0.1	0.2	<0.1	92	0.31	0.101	11	58	0.07	73	0.003	<20	0.49	0.022	0.11	<0.1	0.04	6.5
REP 89956	QC	0.8	25	<0.1	0.1	<0.1	93	0.32	0.101	11	58	0.07	75	0.003	<20	0.49	0.022	0.12	<0.1	0.04	6.6
89964	Rock	0.4	185	0.1	0.1	<0.1	117	2.93	0.152	16	50	1.54	161	0.282	<20	2.18	0.219	0.07	<0.1	0.02	7.5
REP 89964	QC																				
Reference Materials																					
STD DS10	Standard	7.6	71	2.4	7.0	12.5	42	1.06	0.076	18	56	0.78	425	0.081	<20	1.04	0.068	0.33	3.1	0.25	2.8
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45EA	Standard	10.0	4	<0.1	0.1	0.2	297	0.03	0.027	7	782	0.09	142	0.098	<20	3.08	0.022	0.05	<0.1	<0.01	74.7
STD SO-18	Standard																				
STD SO-19	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS10 Expected		7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8
STD OREAS45EA Expected		10.7	3.5	0.02	0.2	0.26	303	0.036	0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78
STD SO-18 Expected																					
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank	2.4	28	3.5	<0.1	<0.1	23	0.66	0.044	6	2	0.44	69	0.082	<20	0.95	0.070	0.08	<0.1	<0.01	2.6
ROCK-VAN	Prep Blank	2.4	28	3.4	<0.1	<0.1	22	0.65	0.042	6	2	0.43	63	0.084	<20	0.96	0.073	0.08	<0.1	0.01	2.6

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	ppm	ppm
		MDL	0.1	0.05	1	0.5	0.2
Pulp Duplicates							
89956	Rock		0.1	<0.05	1	<0.5	<0.2
REP 89956	QC		<0.1	<0.05	2	<0.5	<0.2
89964	Rock		<0.1	<0.05	7	<0.5	<0.2
REP 89964	QC						
Reference Materials							
STD DS10	Standard		4.9	0.29	4	2.4	4.9
STD GS311-1	Standard						
STD GS910-4	Standard						
STD OREAS45EA	Standard		<0.1	<0.05	12	1.2	<0.2
STD SO-18	Standard						
STD SO-19	Standard						
STD GS311-1 Expected							
STD GS910-4 Expected							
STD DS10 Expected			5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected			0.072	0.036	11.7	0.6	0.07
STD SO-18 Expected							
STD SO-19 Expected							
BLK	Blank						
BLK	Blank		<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank						
Prep Wash							
ROCK-VAN	Prep Blank		<0.1	0.06	4	<0.5	<0.2
ROCK-VAN	Prep Blank		<0.1	0.06	4	<0.5	<0.2

APPENDIX III

Skoonka Creek Property

Prospecting Waypoint Notes and Rock Sample Meta-data

i. Prospecting Waypoint Notes

ii. Rock Sample Meta-data

Waypoint_Original_ID	Waypoint_Alias_ID	NAT_Grid_ID	NAT_North	NAT_East	NAT_Elevation	Taken_By	Date	Comments	Structural_Feature	Strike	Dip	Dip Direction
RC1	RC1-JUL11-15	NAD83, Z10N	5577757	605377	1449	Rob Campbell	11-Jul-15	Station marking general area of follow-up investigations of arsenic in soil anomalies by R. Campbell and E. Balon, including but not limited to 16.9 ppm As in soil sample #29574. 3 new rock samples (float) collected along road side, each or which displayed some combination of good rusty alteration and qtz veining or stringers or blebs.				
WP003	EB1-JUL11-15	NAD83, Z10N	5578392	605108	1593	Ed Balon	09-Jul-15	Outcrop at and around a large tree blow down. Amygdaloidal basaltic andesite, Spius Formation. Outcrop size is 7 .5 m north-south by 6 m east-west.				
WP004	EB2-JUL11-15	NAD83, Z10N	5578409	605184	1588	Ed Balon	09-Jul-15	Old blue and orange flagged cut picket station. Some rock fragments in blow down roots and tree well. Approximately 10 to southwest of old station. Noted 1 piece of float with tiny mm scale quartz stringer. Arsenic in soil value is 30.3 ppm				
WP005	EB3-JUL11-15	NAD83, Z10N	5578363	605150	1588	Ed Balon	09-Jul-15	Small patch of outcrop, approximately 3.5 m at 060/240 trend by 1.5 m at 150/330 trend. Massive clean looking fresh andesite. `				
WP008	EB4-JUL11-15	NAD83, Z10N	5578310	605132	1567	Ed Balon	10-Jul-15	Approximately 2 m wide strip of outcrop trending at 230 to 240 degrees. From this wpt site to rock sample 89953 (continuous outcrop)				
WP010	EB5-JUL11-15	NAD83, Z10N	5578181	605523	1649	Ed Balon	10-Jul-15	Abundant outcrop here. Rubbly weathered, layered tuffs, andesite-basalt with sparse mm scale white to semi-clear quartz stringers. Quart stringers look dead, did not sample. Previously mapped as Pimanus Formation.				
WP011	EB6-JUL11-15	NAD83, Z10N	5578171	605295	1546	Ed Balon	10-Jul-15	Small patches of broken outcrop and subcrop at and soil station with value of 18 ppm arsenic, and easterly for about 20 to 25 m. Mostly blocky, sharply fractured, massive compact basaltic andesite. Locally feldspar and pyroxene (?) phyric. Also noted very sparse mm scale quartz stringers, which are a similar type occurrence to what was sampled at sampled at # 89952. Also found small piece of quartz vein float, 3 by 3.5 by 2 cm thick, lying on surface beside the original soil sample hole. Quartz was massive, fined grained, white to light rosy colour. Too minor by volume but took a specimen (rep. sample).				
WP015	EB7-JUL11-15	NAD83, Z10N	5577784	605179	1478	Ed Balon	11-Jul-15	Rob found a single piece quartz vein float, sub rounded, 3 to 3.5 cm by 4 by 5 cm. Did not sample but took specimen. Also found another nearby float fragment with one only mm scale quartz stringer.				
WP018	EB8-JUL11-15	NAD83, Z10N	5578608	604775	1478	Ed Balon	11-Jul-15	New logging road terminal extension.				
WP019	EB9-JUL11-15	NAD83, Z10N	5578706	604662	1448	Ed Balon	11-Jul-15	Outcrop. Autobreccia rock face on top of outcrop. Think this is rhyolite. Rob took several photos.				
WP021	EB10-JUL11-15	NAD83, Z10N	5573984	606105	1645	Ed Balon	12-Jul-15	Truck park-south end of road that is passable by a vehicle (decommissioned road beyond this point).				
RC2	RC2-JUL11-15	NAD83, Z10N	5577795	605170	1479	Rob Campbell	11-Jul-15	Follow-up sample 22862 (rock with 463 ppm arsenic. Found original sample & flag on road cut site. Very rusty, quite fractured & broken pile of rocks, displays a breccia like fabric. May represent a sub-crop or derive from a nearby outcrop buried in side of hill.				
RC2A	RC2A-JUL11-15	NAD83, Z10N	5577797	605177	1478	Rob Campbell	11-Jul-15	Found cobble 18 by 14 by 8 cm, slab or tabular shape in bank of road cut ditch. Light orange brown weathered, white with rusty patches fresh surface. No quartz alteration. Strong sericite/bleached alteration. Planar fabric with what appears to be elongate to flattened quartz grains up to 5 mm long by 1 mm thick. Welded tuff? or volcaniclastic fabric? Fine to medium grained texture. Definitely looks like a welded tuff fabric on 2nd look. Spotty to patchy rusty limonite on fresh surface.				
RC2B	RC2B-JUL11-15	NAD83, Z10N	5577784	605179	1424	Rob Campbell	11-Jul-15	About 15 m to southeast of RC2A-JUL11-15. Small (15 by 4 by 3 cm) cobble of quartz rich drusy rock in similar altered/rusty rock. Vein of light grey to white quartz with minor drusy cavities. Rounded. Took rep. sample for later consideration to assay. Took sample 89958 in part to compare with similar looking sample 89956.				

Waypoint_Original_ID	Waypoint_Alias_ID	NAT_Grid_ID	NAT_North	NAT_East	NAT_Elevation	Taken_By	Date	Comments	Structural_Feature	Strike	Dip	Dip Direction
RC4	RC4-JUL11-15	NAD83, Z10N	5578584	604776	1474	Rob Campbell	11-Jul-15	Followed forest road up to new spur and to it's end (see new GPS tracks). Several photos taken (low resolution) of high till cut bank on east side near termination of road showing pockets of limonite altered cobbles & boulders sticking out of till cut bank. Similar alteration & rock type as previous samples collected this day (limonite +/- sericite/bleaching) except many of the samples in this area include a carbonate alteration (Iron-carbonate-brownish orange colour). Took two rep. samples from altered cobbles-may consider these for assay/geochem.				
RC5	RC5-JUL11-15	NAD83, Z10N	5578706	604551	1448	Rob Campbell & Ed Balon	11-Jul-15	Tracking back down new road to at hair pin bend in road. Outcrop about 8 to 01 m long on north side of road bank, up to 2.5 m high. Unusual looking intermediate to felsic volcanic. Massive with variable 20 to 30cm wide bands of hematite alternating with more bleached beige colour. Nice exposure on top of outcrop suggests autobreccia / subaqueous flow texture. Dacite to rhyolite in composition. Photos take of pale pink and pale greenish patches. Predominant strong fracture or joint set with Az. 043, sub-vertical. Joints sets at side of outcrop face (Az./Dip): 043/116 and 098/358.				
RC6	RC5-JUL11-15	NAD83, Z10N	5578284	604658	1405	Rob Campbell	11-Jul-15	Chalcedonci quartz breccia float originally spotted by Colin. Se sample 89960				
RC1	RC1-JUL12-15	NAD83, Z10N	5573987	606103	1623	Rob Campbell	12-Jul-15	End of passable road by truck on south end of porphyry area. Road original extend northwards across porphyry but has been decommissioned (unpassable) beyond this point.				
RC2	RC2-JUL12-15	NAD83, Z10N	5574039	606097	1623	Rob Campbell	12-Jul-15	Many large boulders of porphyry. Took 2 photos. Dull olive green with pebble to cobble size "clast" (breccia?) or porphyritic fabric, angular to sub-rounded shapes. Light greenish brown groundmass composed of fine grained feldspar and quartz. Calcite locally in stringers and pods. Magnetic.				
RC3	RC3-JUL12-15	NAD83, Z10N	5574100	606101	1640	Rob Campbell	12-Jul-15	Start of porphyry outcrop approaching from the south. Note very large megacrystic porphyry texture or clasts				
RC4	RC4-JUL12-15	NAD83, Z10N	5574380	606170	1636	Rob Campbell	12-Jul-15	Soil station 100E/200N-anomalous As, Sb and Mo in soil. First signs of rusty patches on porphyry in outcrop, subcrop and boulders about 20 m down a gentle slope to the northwest (~315 deg.). Also just above edge of the old clear-cut road. Some pebble of porph. in soil hole but not sign of alteration. About 3m to NW is outcrop of porph. which is about 2 by 1 by 0.5 min size, weakly hematitic weathered surface and dark green on fresh surface. Took 2 photos of porphboulder with small pocket of rusty alteration, about 5 m NE of RC4 wpt.				
RC5	RC5-JUL12-15	NAD83, Z10N	5574374	606190	1663	Rob Campbell	12-Jul-15	Top of sub-crop knob on porphyry ridge. Highly altered red. Yellowish brown limonitic rocks scattered all over. 2 historic rock sample taken here. Alteration, spread over 5 to 10 m area, is likely associated with arsenic and other trace element anomalies. Noted grey to dark grey chalcedonic qtz veinlets in a few broken pieces. Only low gold values (~29 ppb) returned from historic samples. Took photos to show top and altered rocks and soil. Collected 3 small pieces of chalcedonic qtz in limonitic altered rock from probable historic sample float as rep. sample.				
RC6	RC6-JUL12-15	NAD83, Z10N	5574395	606195	1661	Rob Campbell	12-Jul-15	Outcrop. Rock sample (89964) collected for whole rock and trace element analysis to aid in rock type classificaton of porphyry. Fresh surface is dark green. Chipped 95% of weathered surface off of sample.				
RC7	RC7-JUL12-15	NAD83, Z10N	5574448	606215	1654	Rob Campbell	12-Jul-15	East side near top of porphyry ridge, steep face of outcrop. White quartz stringers <1cm thin averaging about 0.5 cm. Irregular trends. Rep. sample collected for possible analyses but sample appears unmineralized. Occasional drusy quartz in some of the veinlets.				
RC8	RC8-JUL12-15	NAD83, Z10N	5574513	606194	1663	Rob Campbell	12-Jul-15	Shear or fault zone in outcrop of porphyry. Light green with minor hematite stain. Trend is Az. =040 to 060 deg. And 46 deg. Dip west. Variable azimuth reflects some frost heave or movement of blocks of outcrop. Photo looking west.	Fault	50	46	West

Waypoint_Original_ID	Waypoint_Alias_ID	NAT_Grid_ID	NAT_North	NAT_East	NAT_Elevation	Taken_By	Date	Comments	Structural_Feature	Strike	Dip	Dip Direction
RC9	RC9-JUL12-15	NAD83, Z10N	5574527	606182	1662	Rob Campbell	12-Jul-15	About 30m to west of RC8-JUL12-15 waypoint, across a gully about 5 m wide that separates porphyry from large egg shaped outcrop of Pimanus Lapilli tuff (about 3 m high). Outcrop of faulted and sheared Pimanus adjacent to large egg of Pimanus. Main fault trend is Az.=312 deg./Dip 75 deg. south. Probably related to fault/shear at RC8-JUL12-15.	Fault	312	75	South

Sample_ID	NAT_Grid_ID	NAT_North	NAT_East	Area	Sampled_By	Date_Sampled	Medium	Type	Sample_Type_Comment	Method	Dimensions	Weight_kg	Colour	Local_Outcrop_Type	Terrain	Cultural_influence
89950	NAD83_10	5578326	605083	JJ West	Ed Balon, Cam McKay-Stotesbury	July-09-15	Rock	Outcrop	Grab			1.00	Dark Green	Basaltic Andesite Flow	Sparsely treed forest	
89951	NAD83_10	5578381	605091	JJ West	Ed Balon, Cam McKay-Stotesbury	July-09-15	Rock	Subcrop	Grab	0.5 by 1 m rubble/broken subcrop		1.00		Basaltic Andesite Flow		
89952	NAD83_10	5578332	605123	JJ West	Ed Balon, Cam McKay-Stotesbury	July-09-15	Rock	Float-angular rubble	Grab	Selected grab	rubble patch 0.5 by 0.5 m	1.00		Basaltic Andesite Flow	tree well	
89953	NAD83_10	5578302	605119	JJ West	Ed Balon, Cam McKay-Stotesbury	July-09-15	Rock	Float-surface rubble	Grab	Selected grab		1.00		Basaltic Andesite breccia		
89954	NAD83_10	5578278	605129	JJ West	Ed Balon	July-10-15	Rock	Float	Grab	Angular rubble in tree roots and tree well.		1.00		Basaltic Andesite		
89955	NAD83_10	5577726	605438	JJ West	Ed Balon, Rob Campbell	July-11-15	Rock	Float	Grab	Composite grab		1.50	Rusty	none	Thick till blanket	Forestry road
89956	NAD83_10	5577785	605359	JJ West	Ed Balon, Rob Campbell	July-11-15	Rock	Float	Grab	Angular rubble	Average thickness 4 to 5 cm.	0.75	Rusty orange brown	none	Thick till blanket	Forestry road
89957	NAD83_10	5577784	605354	JJ West	Ed Balon, Rob Campbell	July-11-15	Rock	Float	Grab	2 pieces-composite	1st; 6 by 7 by 9 cm; 2nd 5 by 6 by 9 cm.	0.50	Weathers rusty brown.	none	till blanket	Forestry road
89958	NAD83_10	5577774	605173	JJ West	Ed Balon, Rob Campbell	July-11-15	Rock	Float	Grab		6 cm thick from broken up tabluar boulder	1.25	Pale orange to brown, weathered.	none		Forestry road

Sample_ID	NAT_Grid_ID	NAT_North	NAT_East	Area	Sampled_By	Date_Sampled	Medium	Type	Sample_Type_Comment	Method	Dimensions	Weight_kg	Colour	Local_Outcrop_Type	Terrain	Cultural_influence
89959	NAD83_10	5577904	604860	JJ West	Ed Balon, Rob Campbell	July-11-15	Rock	Float	Grab	2 piece composite: about 25 m apart	1st piece: 4 by 4 by 7 cm, rounded; 2nd piece: 3.5 cm thick by 7 by 8 cm, tabular	0.25	Rusty brown weathered; fresh surface white and grey but also rusty.	none	till blanket	Forestry road
89960	NAD83_10	5578284	604658	JJ West	Ed Balon, Rob Campbell	July-11-15	Rock	Float	Grab		8 by 8 by 5 cm thick	0.50	Vari-coloured.	none	Colluvium	Forestry road
89961	NAD83_10	5574213	606119	Porphyry	Ed Balon, Rob Campbell	July-12-15	Rock	Float-rubble	Grab	composite			Rusty orange weathered to dark grey on fresh surfaces.	Porphyry	Till veneer to blanket	Decommissioned Forestry road
89962	NAD83_10	5574302	606153	Porphyry	Ed Balon	July-12-15	Rock	Float	Grab	Composite			Rusty yellow brown	Porphyry	Till veneer & till blanket	Forest road-decommissioned
89963	NAD83_10	5574300	606152	Porphyry	Ed Balon	July-12-15	Rock	Float	Grab	Composite			Rusty yellow brown	Porphyry	Till veneer & till blanket	Forest road-decommissioned
89964	NAD83_10	5574395	606195	Porphyry	Rob Campbell	July-12-15	Rock	Outcrop	Grab			0.75	Dark Green	Porpyry		Decommissioned Forestry road

Sample_ID	Lithology	Mineralization	Alteration	Alteration_Intensity	Alteration_Style	Structural_Feature	Comments
89950			Minor manganese on fractues, very weak.				Outcrop is 7 m trending 110/290 deg. by 10 m roughly N-S; Fresh material collected for whole rock analysis
89951			Limonite + clay (kaolinization of the feldspars)	Limonite-moderate to locally strong	Limonite-fracutres and cavity fillings.		Broken subcrop rubble; near original soil sample holes with strong arsenic anomaly. Arsenic = 162.8 in neareast soil sample station (at/below this rock sample). Very shallow overburden depth, estimated equal or less than 10cm.
89952		Quartz: abundance less than 1%; fine stringers < 1 to 3 mm.	Chlorite: moderate, pervasive. Manganese Oxide, weak, fractures.				Selected grab of qtz stringer pieces in tree well from a blowdown. Quartz is white to semi-clear, micro-comb texture quartz stringers and as fracture coatings and fillings.
89953		Quartz: 5 to 7%, as drusy cavities and breccia fragment rims. Quartz also in breccia matrix.	Silicification: moderate, pervasive; Chlorite: modrerate, prevasive; Iron and manganese oxide: moderate, fractures.				Local angular rubble suspected to be very near bedrock source. Drusy white and semi-clear quartz, rimming breccia fragments and as cavity linings. Cavities up to 2 by 1 cm. Sample collected near a 33.7 ppm Arsenic in soil anomaly. Previous rock sample neaby ran only 4.9 ppm As and 1.1 ppb Au.
89954		Quartz: very minor abundance as irregular small blebs.	Iron & Manganes oxides: moderate, pervasive. Clay: moderate, pervasive.				Basaltic Andesite. Angualr rubble in tree roots and well. Quite rusty weathering, highly fractured. No quarts or carbonate stringers observed.
89955	Highly altered volcanic.	Quartz, irregular stringers and cavit	Iron oxidation: strong, pervasive. Sericite/bleaching: moderate, prevasive.				1st float piece; tabular, approximately 20 cm and 6 cm thick. Found at bottem of drainage ditch on NE side of road. 2nd float piece: smaller and rounded, approximately 6 cm thick by 10 by 11 cm, found on road about 2 - 3 m away from 1st piece. Good looking rock with less than 1 cm irregular stringers and cavities. Small drusy cavities. Better quartz noted in 1st piece with thicker vein, semi-continuous, with fine cross-cutting veinlets.
89956	Volcanic-too altered to deteremin maybe Spius Fm. but has medium grained heterogenous grain sizes, likely mostly feldspar.	non noted (weathered out pyrite?)	Rust: strong, locally pervasive and spoty. Sericite/bleached: moderate, pervasive.			Massive.	Wet road side, located in ditch. Located about 10 m west of where water begins seeping into drainage ditch from upslope side.
89957	Volcanic but too altered to confidently identify 1 piece.	Possibly be altered out (py?) Quartz: moderate, vein and drusy cavities.	Limonite: moderate.			1st piece: weak banding in quartz rich layers. 2nd piece: massive.	
89958							Sample taken is identical to 89956 taken earlier in day. Large limonitic orange spots, quite prominent that look like a primary mineral or clast preferentially oxidizing. Much larger boulder here but already broken up.

Sample_ID	Lithology	Mineralization	Alteration	Alteration_Intensity	Alteration_Style	Structural_Feature	Comments
89959	Highly altered volcanic	Pyrite: trace, very fine disseminated. Quartz: vein breccia	Limonite: moderate, patchy disseminated.			Veins: parrallel, brecciated otherwise massive.	Took all of the rock samples for a grab because of small size of samples. First piece rounded, 2nd piece tabular. Both contain thing 1.5 to 2 cm thick grey quartz vein and breccia. Breccia clasts ~10 to 25% floating in matrix. Angular. Some clasts are close packed with jig-saw fit. Trace very fine pyrite in grey quartz.
89960	Quartz-Chalcedony vein with minor attached host rock (?) fragments of dark green volcanic (?) replaced by silica.	Quartz and Chalcedony; 90% combined, vein/breccia.	Silicificaiton (host rock fragments): intense, replacement.				Single piece in till along the road ditch, found by Collin Bateman on July 8th, 2015. Tabular but rounded edges.5 cm thickness. Two sub-parallel bands white quartz vein material, partly brecciated, with intervening band and irregular stringers, of light brown and dark blue-green chalcedony. Some (estimated 10% by voloume) silica replacements of dark green volcanic (?) host rock component.
89961	Apahnitic massive rock, could be a volcanic andesite to dacite. Mainly feldspar.	Magnetite: 1%, pods, disseminated. Chalcedony: grey irregular veinlets, <0.5 cm thick.	Limonite: moderate, rinds, less than 1 cm thick and pervassive. Qtz-calcite (carbonate): weak qtz, strong carbonate; stringers or veinlets, carbonate in matrix and stringers.			Massive	Very thin 1 to 3 mm grey chalcedonic veinlets. Locally up to 5 mm pods or aggregates of visible fine grained magentite. Several scattered small boulders, less than 30 by approximately 10 by 10 cm generally. Not in place, but angular. Probably ripped up in road building. These rocks might be the source of the arsenic in soil anomaly.
89962	Dacite? Possibly like 89961 but could also be fine grained part of porphyry?	none noted	Limonite: strong and pervasive; Calcite: weak, sparse hairline fractures; Carbonate (Fe)-strong pervasive, in matrix;				Several angular boulders (<~20 cm) scattered on surface and dug up just below surface. Uncertain rock type: this fine grained sample could be same rock as 89961 (same location) or a fine grain or more altered part of the porphyry (strong limonite obscures fabric)
89963	Porphyry. Fine grain matrix with up to 1 to 1.5 cm long "clast-like" domains or crystals, generally white with abundant calcite. Calcite common in matrix and small aggregate grains.	none noted	Limonite: strong, pervasive. Carbonate- strong, pervasive.				Composite of serval angular boulders/cobbles on surface and dug out from just below surface. 2nd sample of zone distinguishing between 2 potentially different rock types (porphyry vs. dacite). Non-magnetic whereas porphyry is usually non magnetic.
89964	Porphyry	none noted	Fresh			Massive	Dark green aphanitic matrix, with subhedral to euhedral light brown to beige crystals, probably feldspar, up to 6 mm long but typically 3 to 4 mm and constituting approximately 20 to 25% of the rock. Locally magnetic. Calcite common locally as small crystals.

APPENDIX IV

Skoonka Creek Property

Soil Sample Meta-data

i. Soil Ah Horizon Meta-data

ii. Soil B Horizon Meta-data

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
89639	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605057	5578333	1564	Grey-dirty	1-3	Steep	South		Glacial till	Spius Fm.	open forest; some blow down-topped trees; 10 m tall pine & spuce; Moved sample site 2 -3 m south of line.
89640	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605056	5578333	1570	Grey-dirty	1-3	Steep	South		Glacial till	Spius Fm.	Fire; open forest, ten metre trees, some blow-downs. Ah field duplicate.
89643	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605033	5578387	1573	Grey-Brown	1-2	Moderate	West		Glacial till	Spius Fm.	Open forest, some dead trees, saplings up to 3 m tall spruce. Edge of dead spruce (fire?). Moved ~4 - 5 m down slope off-line. Some outcrop.
89645	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605039	5578439	1572	Brown	1	Low	West		Glacial till	Spius Fm.	Semi-continuous ridge of spious. Medium spruce cover. 10 - 15 m tall trees, few dead! Moved 10 m NE of line line on semi-continuous ridge of out crop of volcanic.
89647	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604991	5578487	1539	Grey-Brown	1	Steep	West		Glacial till	Volcacnics	Open forest/sparse tree cover, trees are 10 m tall, sample right under spruce - only tree in vicinity. 25 m from station, ~west just below extensive ridge of outcrop (Spius volcanic).
89649	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604985	5578519	1529	Grey	1-3	Steep	Northwest		Glacial till	Volcacnics	Open forest, spruce trees, 10-15 m, samples right under trees. Out crop adjacent and immediately sample at 10 cm depth.
89651	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604969	5578582	1527	Grey-Brown	1-3	Moderate	West		Glacial till	Volcacnics	Open forest, sparse spruce, sample right under ~20 m tree. Moved from line down along line 10 m. Intended station is out crop ridge.
89653	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604943	5578618	1519	Grey	2-3	Low	West		Glacial till		Moderate cover spruce trees 20 m tall. Sample right under tree. Nice thick Ah horizon. Some reddish volcanic rocks in hole - hematite?
89655	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604934	5578662	1524	Grey-Brown	2	Moderate	West		Glacial till		Moderate forest cover 10-20 m tall. Sample right under spruce 10-15 m tall. Thick Ah! B is more brown closer to the tree.
89657	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604909	5578708	1520	Grey-Brown	2-3	Low	Southwest		Glacial till		Moderate tree cover spruce, 10 - 20 m tall. Sample right under tree 15 m tall. Nice Ah! Looks like previous Ah samples under trees. Grey-brown, fluffy, high organic content.
89659	Soil Ah	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604896	5578763	1523	Grey-Brwon	1	Low	West		Glacial till		Open forest with trees up to 15 m tall. Few dead trees and wind fall. All layers thin. Sample area quite open.
89662	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605164	5578337	1569	Dark Brown	1-2	Steep	S	Soil sample historic station	Glacial till		Same as 89663 except not silty

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
89664	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605144	5578369	1582	Dark Brown	1-3	Moderate-Low	S	Historic soil sample	Glacial till		Open forest. Spruce with some young growth. Some blowdown. Undergrowth low shrubbery.
89666	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605134	5578421	1592	Brown	5	Low	W	Orange flagging roughly 30 m south	Glacial till		Open forest to moderate spruce cover. Sample right under spruce tree. Thick Ah. No to little …? Some blow-down.
89668	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605114	5578466	1591	Brown	3-5	Steep	W		Glacial till		Dense spruce alder and spruce. Thick Ah horizon. Some blowdown. 10 m tall trees.
89670	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605101	5578513	1582	Brown	5	Moderate-Low	W		Glacial till		Moderate spruce cover. Spruce trees 20 m tall. Thick Ah horizon. Lots of blowdown. Some low shrubs in sample location.
89671	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605101	5578513	1583	Brown	5	Moderate-Low	W		Glacial till		Same as 89670.
89674	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605080	5578553	1576	Dark Brown	2-3	Steep	W-NW		Glacial till		Moderate forest cover. Spruce and alder. Some deadfall. Moved sample west 5 m from line.
89676	Soil Ah	Composite-4 spots	CB/AS	10-Jul-15	NAD83, Z10N	605053	5578606	1567	Brown	1-2	Steep	W		Glacial till	Roughly 30 m d	Moderate forest cover. Spruce trees are 15-20 m tall. Shrubbery in area but most grass where samples were taken from. Moved down along line 5 m.
89678	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605035	5578666	1572	Dark-Brown	0.5-2	Steep	W		Glacial till	Roughly 30 m d	Moved down along the line 15 m. Edge of forest. Intended station is scree from outcrop ridge. Spruce forest 15 - 20 m. Grass and minor shrubbery.
89680	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605021	5578699	1570	Grey-Brown	2-5	Steep	W		Glacial till		Moderate forest cover spruce 10-15 m tall. Sample right under spruce tree. Minor deadfall.
89682	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605006	5578750	1565	Brown	2	Steep	W		Glacial till		Thick forest cover, 20 m tall spruce trees. Young alders and some blowdown. Thick Ah horizon. GPS accuracy 5 m.
89684	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605002	5578775	1562	Grey-Brown	3	Steep	W		Glacial till		Moderate tree cover. Spruce trees 15 - 20 m tall. Sample under spruce. Minor shrubbery.
89686	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605000	5578788	1556	Brown	1-2	Moderate-Steep	W		Glacial till		Moderate tree cover. Spruce 5 - 20 m tall. Roughly 1 cm probable greyish-brown transitional zone then a distinct brown B horizon.
89688	Soil Ah	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605081	5578837	1595	Dark Brown	2	Steep-Moderate	W		Glacial till	Volcanic outcro	Woody sample. Moderate tree cover. Spruce 10-15 m tall, some dead. 5 - 10 m west and below outcrop ridge.
89691	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605554	5577890	1477	Dark Brown	1-3	Moderate	SW	Clear cut with replants	Glacial till		Clear cut with replanted spruce and pine approximately 10 m tall.

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
89693	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605537	5577934	1495	Dark Brown	1-3	Moderate	S		Glacial till		Edge of clearing/clearcut and entering old growth. Trees are up to 30 m tall, mostly spruce. Moved sample ~6 m up slope.
89695	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605523	5577972	15178	Dark Brown	1	Moderate	S		Glacial till		Older growth moderate tree cover, mostly spruce 25 m tall. Some dead fall. Silty.
89697	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605504	5578023	1548	Dark Brown	1-3	Steep	S		Glacial till		Moderate tree cover. Mostly spruce/douglas and shrubbery.
89699	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605485	5578073	1574	Dark Brown	1-5	Steep	S		Glacial till		Moderate tree cover. Mostly fir (spruce?), 20-25m tall. Some young growth.
89850	Soil Ah	Comosite-3 sites	CB/VZ	13-Jul-15	NAD83, Z10N	605355	5578137	1577	Black	1-2	Steep	West				Organic rich, heavy mature forest, canopy dominated by spruce. Minor alder and young undergrowth. Heavy blowdown - spruce 12 - 15m tall.
89852	Soil Ah	Comosite-3 sites	CB/VZ	15-Jul-15	NAD83, Z10N	605346	5578187	1563	Light Brown	4-5	Moderate	North West	Possible historic sample site, yellow flagging			Spruce dominated open forest, boulder field, lots of blowdown. Spruce 12 - 15m with young undergrowth <1m tall. Site moved 2-4m off of boudler field.
89854	Soil Ah	Comosite-3 sites	CB/VZ	17-Jul-15	NAD83, Z10N	605314	5578220	1547	Brown	3	Low	West	Old clear cut.			Fireweed. Old Clear cut, young spruce regrowth, upslope from cree. Open forest, young pine - alder and spruce
89856	Soil Ah	Comosite-3 sites	CB/VZ	19-Jul-15	NAD83, Z10N	605295	5578277	1543	Light Brown	1-2	Low	West	Old clear cut.			Young open forest dominated by pine and spruce. Old clear cut, fireweed. Possible historic samples 10 - 15m away. Small creek 10 - 15m away.
89858	Soil Ah	Comosite-3 sites	CB/VZ	21-Jul-15	NAD83, Z10N	605276	5578318	1551	Brown	1-2	Low	West	Edge of Clear Cut			Site moved 6m off location, no Ah horizon. Young open forest dominated by spruce and pine. Edge of clear cute, fireweed
89861	Soil Ah	Comosite-3 sites	CB/VZ	23-Jul-15	NAD83, Z10N	605257	5578363	1570	Brown	1-2	Moderate	South	Flagging			Spruce dominated open mature forest, 10 15m tall, small sapplings. Edge of clear cut 10 - 15m away, heavily flagged area
89863	Soil Ah	Comosite-3 sites	CB/VZ	25-Jul-15	NAD83, Z10N	605248	5578402	1589	Grey-Brown	1	Steep	South	Flagging			Flagging present. Spruce dominated forest, mature, 15m tall. Small shrubs, small Ah layer on steep slope face.
89865	Soil Ah	Comosite-3 sites	CB/VZ	27-Jul-15	NAD83, Z10N	605194	5578388	1582	Dark Brown	1	Steep	South				Open spruce forest, 15m tall, grassy, young sapplings present (spruce) minor blowdown
89867	Soil Ah	Comosite-3 sites	CB/VZ	29-Jul-15	NAD83, Z10N	605293	5578428	1587	Light Brown	3	Steep	South	Flagging			Heavy blowdown, dense shrubs, spruce dominated open forest (20m) with young and mature undergrowth
89869	Soil Ah	Comosite-3 sites	CB/VZ	31-Jul-15	NAD83, Z10N	605334	5578443	1589	Light Brown	1-2	Steep	South	Flagging			Heavy blowdown, difficult to sample, dense young spruce growth and shrubs. Sparse mature spruce 20m tall.

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
89870	Soil Ah	Comosite-3 sites	CB/VZ	1-Aug-15	NAD83, Z10N	605340	5578439	1589	Light Brown	1-2	Steep	South	Flagging			Heavy blowdown, difficult to sample, dense young spruce growth and shrubs. Sparse mature spruce 20m tall.
89873	Soil Ah	Comosite-3 sites	CB/VZ	4-Aug-15	NAD83, Z10N	605353	5578394	1576	Mottled Brown	1	Low	South West	Old clear cut.			Young open pine dominated forest, replanted clear cut. Fireweed. Minor spruce and other shrubs. Site moved 5m due to no Ah layer.
89875	Soil Ah	Comosite-3 sites	CB/VZ	6-Aug-15	NAD83, Z10N	605367	5578344	1567	Brown	2	Low	South West	Old clear cut.			Young open pine dominated forest, replanted clear cut. Fireweed. Minor spruce and other shrubs.
89877	Soil Ah	Comosite-3 sites	CB/VZ	8-Aug-15	NAD83, Z10N	605381	5578292	1560	Brown	15	Low	South West	Old clear cut.			Young open pine dominated forest, replanted clear cut. Fireweed. Minor spruce and other shrubs. Dense fireweed and other shrubs.
89879	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605182	5578593	1628	Brown	2-3	Steep	W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89881	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605196	5578547	1628	Orange Brown	1-2	Steep	W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89883	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605209	5578501	1628	Mottled Brown	4	Steep	W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89885	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605229	5578459	1628	Brown	3	Steep	W		Glacial till		Sampled at base of tree. Dense blowdown, mature spruce 20m, young spruce and shrubs
89887	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605335	5578492	1628	Brown	2-3	Steep	S		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89889	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605299	5578531	1628	Brown	3	Steep	S		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs. Location moved 5-8m off location due to blowdown.
89892	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605287	5578581	1628	Brown	4	Steep	SE	Yellow-Blue Flagging	Glacial till		Open mature spruce forest, grassy, nearby outcrop, volcanics upslope 20m. Spruce 20m tall and sparse blowdown.
89894	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605272	5578626	1628	Brown	2	Flat			Glacial till		Open mature spruce, 20m, blowdown, volcanic outcrop 20m away with shrubbary.
89896	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605367	5578663	1628	Brown	3	Low	E	Boundary Flagging 10m away	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs. Low shrubs, young spruce undergrowth with sparse blowdown.
89898	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605382	5578618	1628	Mottled Brown		Steep	SE		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89900	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605082	5578287	1554	Brown	1-2	Steep	SouthWest		Glacial till		Mature open forest dominated by spruce
89902	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605114	5578252	1545	Tan Brown	1-2	Steep	SouthWest		Glacial till		Mature open forest dominated by spruce

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
89904	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605133	5578199	1523	DarK Brown	1-2	Low	SouthWest		Glacial till		Young spruce undergrowth with Mature spruce
89906	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605163	5578155	1510	DarK Brown	1-2	Low	SouthWest		Glacial till		Dry, mature spruce, open forest
89908	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605147	5578105	1495	DarK Brown	1-2	Low			Glacial till		Nearby creek bed, game trail. Young and mature spruce dominated forest.
89910	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605160	5578054	1500	DarK Brown	1-3	Moderate	West		Glacial till		Gamet trail proximal
89911	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605160	5578054	1500	DarK Brown	1-3	Moderate	West		Glacial till		Gamet trail proximal
89914	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605177	5577994	1504	DarK Brown	1-2	Steep	West		Glacial till		Old clear cut with marsh nearby, site moved ~5m off of suggested sample site.
89916	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605226	5577963	1516	DarK Brown	1-2	Steep	West		Glacial till		Road cut nearby, young undergrowth dominated by open spruce
89918	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605224	5577941	1511	DarK Brown	1-2	Low	West		Glacial till		Road cut nearby, site moved. Young pine regrowth dominated by mature open spruce forest
89920	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605232	5577895	1505	Tan Brown	1-2	Low	West		Glacial till		Medium sized spruce trees with young spruce undergrowth. 8m away from site location due to road cut. Old clear cut.
89922	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605244	5577832	1493	Light Grey	1-2	Moderate	South		Glacial till		Small pine regrowth, dominated by mature open spruce forest. Old clear cut
89924	Soil Ah	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605257	5577790	1486	DarK Brown	1-2	Moderate	South		Glacial till		Edge of old clear cut, mature spruce. 8-12m tall. Sample at small grove. Young regrowth present, spruce, in open forest.
89926	Soil Ah	Composite-4 spots	AK/CB	9-Jul-15	NAD83, Z10N	605278	5577760	1472	DarK Brown	1-2	Steep	South		Glacial till		Old clear cut, 9m from site. Old growth, spruce ~12m, mature with young regrwoth of spruce and pine 2m. Road cut 9m away, downslope from sample location.
89928	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605292	5577706	1451	DarK Brown	1-2	Moderate	South		Glacial till		~ 50 m down-slope of the road (South), old & new growth (spruce grove)
89931	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605313	5577652	1428	Dark Brown	1-2	Moderate	South		Glacial till		Old & new growth (spruce), some tree fall
89933	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605409	5577661	1439	Dark Brown	1-3	Steep	NW		Glacial till		Moved sampled 10 m NW from clearing, old & new growth (spruce / pine), old clear-cut & burn adjacent to grove
89935	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605402	5577700	1441	Dark Brown	1-2	Low	South		Glacial till		Adjacent to natural clearing, new growth (some old) spruce, 30 m down-slope (South) from road
89937	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605407	5577771	1452	Dark Brown	1-15	Low	South		Glacial till		Sample moved 13 m NE up-slope from road & away from clearing, @ the base of old tree, old growth (pine & birch)

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
89939	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605367	5577800	1455	Dark Brown	1-5	Low	South		Glacial till		Sample moved 5 m out of clearing into grove, 15 m up-slope from road, @ base of old growth pine (some adjacent new growth)
89941	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605368	5577801	1457	Dark Brown	1-5	Low	South		Glacial till		Duplicate of 89939, Sample moved 5 m out of clearing into grove, 15 m up-slope from road, @ base of old growth pine (some adjacent new growth)
89943	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605350	5577843	1472	Dark Brown	1-3	Steep	SE		Glacial till		Old growth (pine) grove on natural clearing
89945	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605333	5577888	1493	Dark Brown	1	Steep	S		Glacial till		Old growth (spruce & pine)
89947	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605315	5577934	1512	Dark Brown	1	Steep	S		Glacial till		Old growth (pine) & some new growth (spruce), some tree fall
89949	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605394	5578030	1547	Dark Brown	1	Steep	S		Glacial till		Old growth (pine) 30 m tall & some new growth (spruce), near tree fall
90001	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605379	5578068	1566	Med Brown	1-3	Steep	S		Glacial till		Sample moved 50 m South off line away from o/c (scree), old growth (spruce) 25 m tall , some new growth
90003	Soil Ah	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605356	5578128	1582	Dark Brown	1	Steep	W		Glacial till		Old growth (spruce) 20 m tall & some small alders, tree-fall
90005	Soil Ah	Composite-3 spots	AS/AK	11-Jul-15	NAD83, Z10N	605412	5577981	1445	Dark Brown	1-2	Steep	S		Glacial till		Old growth spruce. 25 m tall. Some tree fall.
90007	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605429	5577937	1424	Dark Brown	1-2	Steep	S		Glacial till		Old growth spruce 25 me tall. Some tree fall.
90009	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605445	5577892	1398	Dark Brown	1-2	Steep	SE		Glacial till		Old growth spruce 20 m tall. Grove where we sampled adjacent to natural clearing.
90010	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605443	5577894	1400	Dark Brown	1-2	Steep	SE		Glacial till		Old growth spruce 20 m tall. Grove where we sampled adjacent to natural clearing.
90013	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605457	5577864	1389	Brown	1-3	Steep	SE	Old log clearing.	Glacial till		Sample moved 25 m north along the sample line to find material. Old clear cut. New growth spruce 10 m with some tree fall and stumps.
90015	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605477	5577793	1378	Dark Brown	1-4	Moderate	SE	Clear cut.	Glacial till		Sample moved slightly west (158 degrees°) into old spruce growth 25 m tall. Clear cut and some surroundint new growth: spruce and alders.
90017	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605496	5577761	1374	Brown	1	Moderate	SE		Glacial till		Sample moved 10 m north up the line away from the creek. Clear cut with stumps. New growth spruce 10 m tall.
90019	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605519	5577694	1380	Dark Brown	0.5	Low	NW	Clear cut.	Glacial till		Sample moved 8 m south and west (~155°) out of topo low. New growth spruce and pine 15 m tall. Old clear cut with stumps.

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
90021	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605534	5577666	1395	Light Brown	1	Moderate	NW	Clear cut.	Glacial till		Sampled moved 9 m north along the line to stay on claim + in to a grove. New growth spruce and pine 10m tall. Old clearcut with stumps.
90023	Soil Ah	Comosite-1 sites	AS/AK	11-Jul-15	NAD83, Z10N	605636	5577657	1429	Dark Brown	1	Low	NW	Old clear cut.	Glacial till		New growth spruce plus alders. Ah mostly alder leaf. Old clear cut.
90025	Soil Ah	Comosite-1 sites	AS/AK	11-Jul-15	NAD83, Z10N	605609	5577691	1406	Brown	1	Steep	NW	Old clear cut.	Glacial till		New growth spruce plus alders 10 m tall. ~10 m east of historic soil sample? Old clear cut and stumps.
90027	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605468	5578122	1595	Dark Brown	1-5	Steep	S		Glacial till		Open forest with 15 - 20 m tall fir. Silty.
90029	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605460	5578164	1607	Dark Brown	1-3	Steep	W		Glacial till	Volcanic ridge ~	Edge of clearing/outcrop ridge into thick forest. Fir trees ~20 m tall.
90032	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605438	5578210	1592	Dark Brown	1-3	Moderate	NW	Stumps	Glacial till		Micro clearing (5x5 m) beside stumps. On boundary between replanted clearcut and thick forest cover that has dead fall. B is silty.
90034	Soil Ah	Comosite-1 sites	AS/AK	12-Jul-15	NAD83, Z10N	605418	5578250	1575	Dark Brown	1-2	Low	W	Replanted clearcut	Glacial till		Sample under lone older tree in replanted clearcut predominantly ~5 m tall young spruce and pine. B is silty, sandy, and granular.
90036	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605564	5578202	1658	Dark Brown	1-2	Low	SW		Glacial till	Volcanic	Steep volcanic outcrop with local ledges. Low shrubbery and rare trees. Moved sample 20 m to the east.
90038	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605566	5578140	1614	Dark Brown	1-2	Steep	S		Glacial till	Volcanic/Tuff-b	At edge of one of the extensive volcanic ridges. Sample under a dead tree approximately 10-15 m tall. Some 10-15 m tall trees and short shrubbery. B is sandy.
90040	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605579	5578100	1584	Dark Brown	1-3	Steep	SW		Glacial till	Volcanic/Tuff-b	Duplicate. No B sample taken here. Small wooded area between/below volcanic outcrop ridges.
90041	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605579	5578099	1585	Dark Brown	1-3	Steep	SW		Glacial till	Volcanic/Tuff-b	Duplicate. No B sample taken here. Small wooded area between/below volcanic outcrop ridges.
90042	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605601	5578053	1560	Dark Brown	1-2	Moderate	SW		Glacial till	~30 m from ext	Moderate open forest cover in fir trees ~15-20 m tall. No B sample in this spot.
90043	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605611	5578007	1535	)ark Brown-Blac	1-3	Moderate	S		Glacial till		Moderate tree cover, 15-20 m tall fir. Some blowdown.
90044	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605644	5577970	1524	Dark Brown	1	Low	W		Glacial till		Low slope bench in steep slope under fir tree 25 m tall. Moderate tree cover. Some dead fall.

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
90045	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605647	5577914	1499	Dark Brown	1	Moderate	SW	Replanted edge of clearcut	Glacial till		On bottom of steep slope with 20-25 m tall fir trees. Beside replanted clearcut. No B at this site taken.
90046	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605671	5577870	1490	Dark Brown	1	Low-Mod	SW	Replanted clearcut	Glacial till		Clearcut with replanted spruce 10 - 15 m tall. Some stumps and logs. Last flagging.
90047	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605685	5577824	1483	Dark Brown	1-5	Low-Mod	SW	Clear cut, replanted.	Glacial till		In small clump of older growth on edge of clearcut (replanted) and bog. Older growth trees are 15 to 20 m tall. No flagging tape at this station.
90048	Soil Ah	Comosite-1 sites	AS/AK	12-Jul-15	NAD83, Z10N	605707	5577775	1488	Dark Brown	1-3	Moderate	SW	Replanted clearcut	Glacial till		On edge of slope on edge of bog and replanted clearcut. Trees are ~5-10 m tall. Ah only at this station. No flagging.
90049	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605721	5577729	1500	Dark Brown-Blac	1-3	Moderate	N	Replanted clearcut	Glacial till		Replanted clearcut. One large spot or 3 really close spots, under young spruce 10 m tall. Most trees 10-15 m tall. No flagging.
90050	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605399	5578573	1628	Dark Brown	1	Steep	SE		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
90052	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605413	5578523	1628	Brown	1	Moderate	SE	Boundary Flagging	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
90054	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605436	5578477	1628	Brown	5	Moderate	SE	Old Camp, Many Flaggins	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs. Dry forest floor, nearby creekbed - old tin cans present and burned camp wood
90056	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605456	5578430	1628	Dark Brown	3	Moderate	SE	Flagging	Glacial till		Moderate blowdown, mature spruce 20m, young spruce and shrubs
90057	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605465	5578371	1628	Mottled Brown	3	Low	SW	Flagging, Edge of clear-cut	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
90058	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605488	5578338	1628	Brown	3	Steep	W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
90059	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605506	5578285	1628	Mottled Brown	3	Steep	W		Glacial till		Open mature spruce, 20m tall - Heavy presence of alder, with minor spruce saplings
90061	Soil Ah	Comosite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605518	5578233	1628	Mottled Brown	5	Steep	W		Glacial till		Open mature spruce, 20m tall - Heavy presence of alder, with minor spruce saplings
90101	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605608	5577757	1391	Dark Brown	1	Low	SW	Old clear cut.	Glacial till		Sample moved 13 m N up the line out of bog. New growth spruce 10 m tall. Old clear cut/stumps.
90103	Soil Ah	Comosite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605576	5577836	1396	Dark Brown	1-2	Moderate	SW		Glacial till		Previous sample (station at 700m on SN line) skipped due to bog and clear cut. Sampled at base of old spruce 20 m tall surrounded by new growth. Up slope from old road/scree.

Appendix IV - Soil Ah Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local outcrop Type	Comments
90105	Soil Ah	Comosite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605736	5577678	1519	Dark Brown	1-2	Moderate	N	Replanted clearcut	Glacial till		Replanted clearcut with spruce trees 10-15 m tall and young alders. No flagging at this station, Ah only.

Appendix IV - Soil B Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local Outcrop Type	Comments
89641	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605056	5578334	1570	Brown-Medium	6-10	Steep	South	Fire	Glacial till	Spius Fm.	Open forest, some blow down, some tall trees. Field original.
89642	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605056	5578334	1567	Brown-Medium	4-10	Steep	South	Fire	Glacial till	Spius Fm.	Open forest, some blow down, some tall trees. Field duplicate.
89644	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605032	5578387	1573	Brown	5-8	Moderate	West		Glacial till	Spius Fm.	Open forest, some dead trees, saplings up to 3 m tall spruce. Edge of dead spruce (fire?). Moved ~4 - 5 m down slope off-line. Some outcrop.
89646	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	605038	5578440	1573	Brown	1	Low	West		Glacial till		Semi-continuous ridge of spious. Medium spruce cover. 10 - 15 m tall trees, few dead! Moved 10 m NE of line line on semi-continuous ridge of out crop of volcanic.
89648	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604991	5578487	1540	Brown-Grey	10	Steep	West		Glacial till	Volcacnics	Silty. Open forest/sparse tree cover, trees are 10 m tall, sample right under spruce - only tree in vicinity. 25 m from station, ~west just below extensive ridge of outcrop (Spius volcanic).
89650	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604984	5578518	1529	Brown	10	Steep	Northwest		Glacial till	Volcacnics	Open forest, spruce trees, 10-15 m, samples right under trees. Out crop adjacent and immediately sample at 10 cm depth.
89652	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604969	5578582	1527	Brown	10	Moderate	West		Glacial till	Volcacnics	Silty. Open forest, sparse spruce, sample right under ~20 m tree. Moved from line down along line 10 m. Intended station is out crop ridge.
89654	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604944	5578619	1520	Brown	4-5	Low	West		Glacial till		Silty. Moderate cover spruce trees 20 m tall. Sample right under tree. Nice thick Ah horizon. Some reddish volcanic rocks in hole - hematite?
89656	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604934	5578664	1524	Light-Brown-Tan	2-3	Moderate	West		Glacial till		Silty. Moderate forest cover 10-20 m tall. Sample right under spruce 10-15 m tall. Thick Ah! B is more brown closer to the tree.
89658	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604909	5578709	1522	Brown-Tan	3-5	Low	Southwest		Glacial till		Silty. Moderate tree cover spruce, 10 - 20 m tall. Sample right under tree 15 m tall. Nice Ah! Looks like previous Ah samples under trees. Grey-brown, fluffy, high organic content.
89661	Soil B	Composite-3 spots	AS/VZ	9-Jul-15	NAD83, Z10N	604898	5578763	1523	Brown-Tan-Grey	2-3	Low	West		Glacial till		Silty. Open forest with trees up to 15 m tall. Few dead trees and wind fall. All layers thin. Sample area quite open.
89663	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605163	5578336	1569	Tan-Grey	13	Steep	S	Historic soil sample	Glacial till		Mature open spruce forest 12 - 15 m tall some young sapling. Sample right under spruce. First sample of the day. Historic samples. Silty.

Appendix IV - Soil B Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local Outcrop Type	Comments
89665	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605145	5578368	1583	Brown	5-8	Moderate-Low	S	Historic soil sample	Glacial till		Silty. Same as 89664.
89667	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605134	5578421	1591	Brown	7	Low	S	Orange flagging roughly 30 m south	Glacial till		Same as 89666 but silty with minor clay.
89669	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605114	5578466	1590	Grey-Brown	5-10	Steep	W		Glacial till		Silty, same as 89668.
89672	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605101	5578515	1580	Brown	5-10	Moderate-Low	W		Glacial till		Less silty. Slightly damp. Same as 89670 and 89671
89673	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605101	5578515	1581	Brown	5-10	Moderate-Low	W		Glacial till		Same as 89672.
89675	Soil B	Composite-4 spots	CB/AS	10-Jul-15	NAD83, Z10N	605075	5578554	1575	Brown	8	Steep	W-NW		Glacial till		Same as 89674. Took extra spot for composite.
89677	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605059	5578613	1567	Tan-Brown	5-15	Steep	W		Glacial till	Roughly 30 m down slope from extensively altered outcrop.	Same as 8976. Sandy, pebbly, silty.
89679	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605035	5578666	1572	Brown-Grey-Red	4-5	Steep	W		Glacial till	Roughly 30 m down slope from extensively altered outcrop.	Same as 89678. Silty, sandy.
89681	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605021	5578698	1569	Brown and Gre	7	Steep	W		Glacial till		Same as 89680. Sandy, not as silty as previous samples.
89683	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605002	5578775	1564	Brown	5	Steep	W		Glacial till		Same as 89682. Sandy and silty.
89685	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605001	5578773	1562	Tan-Brown	10	Steep	W		Glacial till		Same as 89684. Sandy and silty.
89687	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605000	5578787	1555	Brown	3-20	Moderate-Steep	W		Glacial till		Same as 89686. Sandy and silty.
89689	Soil B	Composite-3 spots	CB/AS	10-Jul-15	NAD83, Z10N	605081	5578836	1595	Brown-Grey	15	Steep	W		Glacial till	Volcanic outcrop 5-10 m upslope.	Same as 89688. Silty.
89692	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605554	5577889	1476	Light Brown	3-6	Moderate	SW	Clear cut with replants	Glacial till		Clear cut with replanted spruce and pine approximately 10 m tall. Granule size sand gravel in sample.

Appendix IV - Soil B Horizon Meta-data

Sample_ID	Sample_Type	Sample_Type_Comment	Sampled_By	Date_Sampled	NAT_Grid_ID	NAT_East	NAT_North	Elevation_m_asl	Colour	Depth_cm	Slope_Dip	Slope_Dir	Cultural Influnce	Quaternary Landforms	Local Outcrop Type	Comments
89694	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605540	5577935	1495	m Tan/Mottled	3-7	Moderate	S		Glacial till		Edge of clearing/clearcut and entering old growth. Trees are up to 30 m tall, mostly spruce. Moved sample ~6 m up slope. Some granule size clasts.
89696	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605525	5577971	1515	Dark Brown	2-10	Moderate	S		Glacial till		Older growth moderate tree cover, mostly spruce 25 m tall. Some dead fall.
89698	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605505	5578022	1548	Tan/Brown	3-10	Steep	S		Glacial till		Moderate tree cover. Mostly spruce/douglas and shrubbery.
89851	Soil B	Composite-3 sites	CB/VZ	14-Jul-15	NAD83, Z10N	605354	5578133	1576	Brown	7	Steep	West				Organic rich, heavy mature forest, canopy dominated by spruce. Minor alder and young undergrowth. Heavy blowdown - spruce 12 - 15m tall.
89853	Soil B	Composite-3 sites	CB/VZ	16-Jul-15	NAD83, Z10N	605345	5578184	1563	Tan Brown	6-8	Moderate	North West				Spruce dominated open forest, boulder field, lots of blowdown. Spruce 12 - 15m with young undergrowth <1m tall. Site moved 2-4m off of boudler field. Silty and angular gravel.
89855	Soil B	Composite-3 sites	CB/VZ	18-Jul-15	NAD83, Z10N	605313	5578227	1546	Tan Brown	5-12	Low	West	Old clear cut.			Fireweed. Old Clear cut, young spruce regrowth, upslope from cree. Open forest, young pine - alder and spruce. Silty and angular with gravel.
89857	Soil B	Composite-3 sites	CB/VZ	20-Jul-15	NAD83, Z10N	605293	5578276	1543			Low	West	Old clear cut.			Young open forest dominated by pine and spruce. Old clear cut, fireweed. Possible historic samples 10 - 15m away. Small creek 10 - 15m away. Silty
89859	Soil B	Composite-3 sites	CB/VZ	22-Jul-15	NAD83, Z10N	605275	5578317	1551	Tan Brown	5	Low	West	Edge of Clear Cut			Site moved 6m off location, no Ah horizon. Young open forest dominated by spruce and pine. Edge of clear cute, fireweed. Silty
89862	Soil B	Composite-3 sites	CB/VZ	24-Jul-15	NAD83, Z10N	605262	5578363	1570	Dark Brown	7	Low	South	Flagging			Spruce dominated open mature forest, 10 15m tall, small sapplings. Edge of clear cut 10 - 15m away, heavily flagged area. Silty
89864	Soil B	Composite-3 sites	CB/VZ	26-Jul-15	NAD83, Z10N	605248	5578404	1588	Dark Brown	8			Flagging			Flagging present. Spruce dominated forest, mature, 15m tall. Small shrubs, small Ah layer on steep slope face. Silty
89866	Soil B	Composite-3 sites	CB/VZ	28-Jul-15	NAD83, Z10N	605192	5578390	1582	Light Brown	5	Steep	South				Open spruce forest, 15m tall, grassy, young sapplings present (spruce) minor blowdown. Silty
89868	Soil B	Composite-3 sites	CB/VZ	30-Jul-15	NAD83, Z10N	605292	5578428	1587	Brown	7-10	Steep	South				Heavy blowdown, dense shrubs, spruce dominated open forest (20m) with young and mature undergrowth. Silty
89871	Soil B	Composite-3 sites	CB/VZ	2-Aug-15	NAD83, Z10N	605339	5578439	1589	Light Brown	5-6	Steep	South	Flagging			Heavy blowdown, difficult to sample, dense young spruce growth and shrubs. Sparse mature spruce 20m tall. Silty

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89872	Soil B	Composite-3 sites	CB/VZ	3-Aug-15	NAD83, Z10N	605337	5578443	1589	Light Brown	5-6	Steep	South	Flagging			Heavy blowdown, difficult to sample, dense young spruce growth and shrubs. Sparse mature spruce 20m tall. Silty
89874	Soil B	Composite-3 sites	CB/VZ	5-Aug-15	NAD83, Z10N	605353	5578395	1575	Light Brown	7	Low	South West	Old clear cut.			Young open pine dominated forest, replanted clear cut. Fireweed. Minor spruce and other shrubs. Silty
89876	Soil B	Composite-3 sites	CB/VZ	7-Aug-15	NAD83, Z10N	605369	5578343	1567	Bleached Brown	6-7	Low	South West	Old clear cut.			Young open pine dominated forest, replanted clear cut. Fireweed. Minor spruce and other shrubs. Silty.
89878	Soil B	Composite-3 sites	CB/VZ	9-Aug-15	NAD83, Z10N	605381	5578291	1560	Mottled Black	30	Low	South West	Old clear cut.			Young open pine dominated forest, replanted clear cut. Fireweed. Minor spruce and other shrubs. Dense fireweed and other shrubs. Silty.
89880	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605182	5578589	1628	Brown	5-6	Steep	W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89882	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605195	5578550	1628	Tan Brown	7		W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89884	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605210	5578501	1628	Orange Brown	8	Steep	W		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89886	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605229	5578460	1628	Brown	7	Steep	W		Glacial till		Sampled at base of tree. Dense blowdown, mature spruce 20m, young spruce and shrubs
89888	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605334	5578485	1628	Brown	8	Steep	S		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89891	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605304	5578528	1628	Dark Brown	7	Steep	S		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs. Location moved 5-8m off location due to blowdown.
89893	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605287	5578581	1628	Light Brown		Steep	SE		Glacial till		Open mature spruce forest, grassy, nearby outcrop, volcanics upslope 20m. Spruce 20m tall and sparse blowdown.
89895	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605268	5578626	1628	Tan Brown	8	Flat			Glacial till		Open mature spruce, 20m, blowdown, volcanic outcrop 20m away with shrubbary.
89897	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605365	5578666	1628	Light Brown	7	Low	E	Boundary Flagging 10m away	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs. Low shrubs, young spruce undergrowth with sparse blowdown.
89899	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605385	5578618	1628	Brown	5	Steep	SE		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
89901	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605078	5578290	1555	Brown	2-7	Steep	SouthWest		Glacial till		Mature open forest dominated by spruce
89903	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605112	5578253	1545	Tan Brown	2-7	Steep	SouthWest		Glacial till		Mature open forest dominated by spruce
89905	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605136	5578200	1522	Medium Brown	2-10	Low	SouthWest		Glacial till		Young spruce undergrowth with Mature spruce

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89907	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605164	5578154	1510	Medium Brown	2-10	Low	SouthWest		Glacial till		Dry, mature spruce, open forest
89909	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605161.8	5578106.1	1496	DarK Brown	10	Low			Glacial till		Nearby creek bed, game trail. Young and mature spruce dominated forest.
89912	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605158	5578046	1501	DarK Brown	10-15	Moderate	West		Glacial till		Gamet trail proximal, mature spruce dominated forest
89913	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605162.4	5578047.83	1500	DarK Brown	10-15	Moderate	West		Glacial till		Gamet trail proximal, mature spruce dominated forest
89915	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605176	5577995	1504	DarK Brown	10	Steep	West		Glacial till		Old clear cut with marsh nearby, site moved ~5m off of suggested sample site.
89917	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605225	5577961	1516	DarK Brown	2-7	Steep	West		Glacial till		Road cut nearby, young undergrowth dominated by open spruce
89919	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605219	5577941	1510	Medium Brown	7	Low	West		Glacial till		Road cut nearby, site moved. Young pine regrowth dominated by mature open spruce forest
89921	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605232	5577895	1505	Light Brown to Grey	5	Low	West		Glacial till		Medium sized spruce trees with young spruce undergrowth. 8m away from site location due to road cut. Old clear cut.
89923	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605240	5577830	1493	Tan Brown	7	Moderate	South		Glacial till		Small pine regrowth, dominated by mature open spruce forest. Old clear cut
89925	Soil B	Composite-3 spots	AK/CB	9-Jul-15	NAD83, Z10N	605262	5577788	1486	DarK Brown	4-5	Moderate	South		Glacial till		Edge of old clear cut, mature spruce. 8-12m tall. Sample at small grove. Young regrowth present, spruce, in open forest.
89927	Soil B	Composite-4 spots	AK/CB	9-Jul-15	NAD83, Z10N	605273	5577757	1472	DarK Brown	5-7	Steep	South		Glacial till		Old clear cut, 9m from site. Old growth, spruce ~12m, mature with young regrwoth of spruce and pine 2m. Road cut 9m away, downslope from sample location.
89929	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605293	5577704	1450	Medium Brown	2-5	Moderate	South		Glacial till		~ 50 m down-slope of the road (South), old & new growth (spruce grove)
89932	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605314	5577652	1429	Dark Brown	2-5	Moderate	South		Glacial till		Old & new growth (spruce), some tree fall
89934	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605409	5577661	1439	Med Brown	3-5	Steep	NW		Glacial till		Moved sampled 10 m NW from clearing, old & new growth (spruce / pine), old clear-cut & burn adjacent to grove
89936	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605402	5577700	1440	Dark Brown	2-5	Low	South		Glacial till		Adjacent to natural clearing, new growth (some old) spruce, 30 m down-slope (South) from road
89938	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605408	5577773	1453	Med Brown	15-20	Low	South		Glacial till		Sample moved 13 m NE up-slope from road & away from clearing, @ the base of old tree, old growth (pine & birch)
89940	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605367	5577800	1456	Dark Brown	5-10	Low	South		Glacial till		Sample moved 5 m out of clearing into grove, 15 m up-slope from road, @ base of old growth pine (some adjacent new growth)

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89942	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605368	5577802	1456	Dark Brown	5-10	Low	South		Glacial till		Duplicate of 89940, Sample moved 5 m out of clearing into grove, 15 m up-slope from road, @ base of old growth pine (some adjacent new growth)
89944	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605349	5577844	1471	Dark Brown	3-5	Steep	SE		Glacial till		Old growth (pine) grove on natural clearing
89946	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605333	5577887	1491	Dark grey-brown	1-5	Steep	S		Glacial till		Old growth (spruce & pine)
89948	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605316	5577938	1511	Dark Brown	1-5	Steep	S		Glacial till		Old growth (pine) & some new growth (spruce), some tree fall
90000	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605394	5578030	1547	Med Brown	1-5	Steep	S		Glacial till		Old growth (pine) 30 m tall & some new growth (spruce), near tree fall
90002	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605379	5578067	1567	Med Brown	3-7	Steep	S		Glacial till		Sample moved 50 m South off line away from o/c (scree), old growth (spruce) 25 m tall, some new growth
90004	Soil B	Composite-3 spots	AK/VZ	10-Jul-15	NAD83, Z10N	605358	5578130	1583	Med Brown	2-5	Steep	W		Glacial till		Old growth (spruce) 20 m tall & some small alders, tree-fall
90006	Soil B	Composit-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605414	5577978	1444	Dark Brown	2-10	Steep	S		Glacial till		Old growth spruce. 25 m tall. Some tree fall.
90008	Soil B	Composite-3 site	AS/AK	11-Jul-15	NAD83, Z10N	605428	5577939	1426	Grey-Brown	2-5	Steep	S		Glacial till		Old growth spruce 25 me tall. Some tree fall.
90011	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605442	5577895	1400	Grey-Brown	2-10	Steep	SE		Glacial till		Old growth spruce 20 m tall. Grove where we sampled adjacent to natural clearing.
90012	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605442	5577895	1400	Grey-Brown	1-2	Steep	SE		Glacial till		Old growth spruce 20 m tall. Grove where we sampled adjacent to natural clearing.
90014	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605457	5577864	1389	Dark Brown	3-10	Steep	SE	Old log clearing.	Glacial till		Sample moved 25 m north along the sample line to find material. Old clear cut. New growth spruce 10 m with some tree fall and stumps.
90016	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605477	5577794	1379	Dark Brown	4-15	Moderate	SE	Clear cut.	Glacial till		Sample moved slightly west (158 degrees°) into old spruce growth 25 m tall. Clear cut and some surroundint new growth: spruce and alders.
90018	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605495	5577761	1375	an-Grey/Mottle	2-3	Moderate	SE		Glacial till		Sample moved 10 m north up the line away from the creek. Clear cut with stumps. New growth spruce 10 m tall.
90020	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605519	5577695	1382	Tan	5	Low	NW	Clear cut.	Glacial till		Sample moved 8 m south and west (~155°) out of topo low. New growth spruce and pine 15 m tall. Old clear cut with stumps.
90022	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605533	5577669	1397	Tan/Mottled	2-5	Moderate	NW	Clear cut.	Glacial till		Sampled moved 9 m north along the line to stay on claim + in to a grove. New growth spruce and pine 10m tall. Old clearcut with stumps.

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90024	Soil B	Composite-1 sites	AS/AK	11-Jul-15	NAD83, Z10N	605636	5577657	1429	Light Brown	2-4	Low	NW	Old clear cut.	Glacial till		New growth spruce plus alders. Ah mostly alder leaf. Old clear cut.
90026	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605485	5578073	1574	Tan-Brown	5-15	Steep	S		Glacial till		Moderate tree cover. Mostly fir (spruce?), 20-25m tall. Some young growth.
90028	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605467	5578121	1596	Brown	5-10	Steep	S		Glacial till		Open forest with 15 - 20 m tall fir.
90031	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605460	5578164	1606	Med Brown	3-10	Steep	W		Glacial till	Volcanic ridge ~15 m to the south.	Edge of clearing/outcrop ridge into thick forest. Fir trees ~20 m tall.
90033	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605435	5578209	1592	Med Brown	3-10	Moderate	NW	Stumps	Glacial till		Micro clearing (5x5 m) beside stumps. On boundary between replanted clearcut and thick forest cover that has dead fall. B is silty.
90035	Soil B	Composite-1 sites	AS/AK	12-Jul-15	NAD83, Z10N	605417	5578250	1575	Med Brown	2-5	Low	W	Replanted clearcut	Glacial till		Sample under lone older tree in replanted clearcut predominantly ~5 m tall young spruce and pine. B is silty, sandy, and granular.
90037	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605564	5578201	1657	Med Brown	2-7	Low	SW		Glacial till	Volcanic	Steep volcanic outcrop with local ledges. Low shrubbery and rare trees. Moved sample 20 m to the east.
90039	Soil B	Composite-3 sites	AS/AK	12-Jul-15	NAD83, Z10N	605566	5578140	1613	Light Brown	2-7	Steep	S		Glacial till	Volcanic/Tuff-breccia/Hornblende flow.	At edge of one of the extensive volcanic ridges. Sample under a dead tree approximately 10-15 m tall. Some 10-15 m tall trees and short shrubbery. B is sandy.
90051	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605397	5578576	1628	Brown	5	Steep	SE		Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
90053	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605416	5578520	1628	Brown	5-7	Moderate	SE	Boundary Flagging	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs
90055	Soil B	Composite-3 sites	VZ/CB	12-Jul-15	NAD83, Z10N	605436	5578478	1628	Dark Brown	20	Moderate	SE	Flagging	Glacial till		Dense blowdown, mature spruce 20m, young spruce and shrubs. Dry forest floor, nearby creekbed - old tin cans present and burned camp wood
90100	Soil B	Composite-1 sites	AS/AK	11-Jul-15	NAD83, Z10N	605610	5577690	1405	Light Tan	2-15	Steep	NW	Old clear cut.	Glacial till		New growth spruce plus alders 10 m tall. ~10 m east of historic soil sample? Old clear cut and stumps.
90102	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605609	5577757	1394	Brown	2-5	Low	SW	Old clear cut.	Glacial till		Sample moved 13 m N up the line out of bog. New growth spruce 10 m tall. Old clear cut/stumps.

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90104	Soil B	Composite-3 sites	AS/AK	11-Jul-15	NAD83, Z10N	605576	5577835	1399	Tan	2-5	Moderate	SW		Glacial till		Previous sample (station at 700m on SN line) skipped due to bog and clear cut. Sampled at base of old spruce 20 m tall surrounded by new growth. Up slope from old road/scree.