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# Assessment Report

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**Caman Overburden Stripping & Channel Sampling Program  
Guibord Township, Larder Lake Mining Division  
Sophie Chartrand  
7/18/2016**

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## **Introduction**

Between the dates of August 10<sup>th</sup> to September 3<sup>rd</sup> 2014, St. Andrew Goldfields (SAS) personnel conducted an overburden stripping, trenching and sampling program under the supervision of Craig Todd, P. Geo, and John McKenzie. The primary goal was to follow up on previous work that had been done in 2007 by SAS personnel and to expand on sampling in areas of interest where gold values were present. Two outcrops were targeted for this program. Two areas were stripped of its overburden by NPLH Drilling of Timmins, ON, in order to reach bedrock; trench #1 was 858m<sup>2</sup> and trench #2 was 945m<sup>2</sup> in size. Once the stripping was complete, NPLH personnel then washed the exposed outcrops. Geological mapping along with channel and grab sampling was done by SAS and NPLH personnel. Channel and chip samples were sent to AGAT Laboratories in Mississauga, ON, to test for gold through fire assay.

## **Location and Access**

The Caman property is located on surface and mining rights patent L14650 (wholly owned by SAS) in Guibord Township, Larder Lake Mining Division. The property can be accessed by driving from the town of Matheson, and going east on provincial highway 101 for approximately 17 kilometers. Three kilometers past provincial highway 572, access is gained by turning right on a south trending logging/bush road. The Caman access road can be travelled approximately 3 kilometers then local ATV and backhoe trails provide access to all parts of the claim. Refer to **Figure 1** for the property's location within the province of Ontario. **Figure 2** shows the property's location within Guibord Township, Larder Lake Mining Division.

## **Previous Work**

Between 1944 and 1947, a total of twenty-seven drill holes totaling 4,585.4m were drilled on the property. Several gold values were intersected. The best being 32.91 gpt over 1.3 meters which was hosted within the contact of the green carbonate and the altered syenite.

In 1965, Falconbridge Ltd. drilled four holes to test for base metals. In 1984, they drilled an additional five holes testing geophysical targets. No significant gold or base metal values were intersected.

In 1988, Falconbridge Ltd. drilled a total of six holes totaling 1,896.0 meters. This drill program was initiated to test the green carbonate and altered syenite gold zone. Holes GUI42-03 and GUI42-06 returned with several gold values the best being 13.1 gpt over 1.25 meters.

Between January and February of 2006, SAS drilled 5 holes totaling 1,571m on the Caman block in order to follow up on previous drilling. The drilling was carried out on six patented claims. CC-06-02 intercepted several mineralized zones. Significant assays from this hole include 7.06 gpt/1.1m and 2.79 gpt/1.0m. In 2007, SAS personnel initiated a prospecting, trenching and washing program which was confined to claims 14650, 14651, 15483 and 15484 and was carried out from October 9<sup>th</sup> to November 2<sup>nd</sup>. Initial prospecting and sampling 500 to 1000 meters east of previous drilling on the Caman gold

zone revealed eleven angular sub-crop, pervasively ankerite and fuchsite altered boulders containing up to 12% pyrite. These boulders were of interest as previous drilling had indicated gold bearing intersections in several drillholes with similar alteration and mineralization style. Samples of green carbonate altered rock with quartz/ankerite veining were taken along with samples of siliceous, sericite and syenitized feldspar porphyry. Sample 5074 returned 2.84 gpt gold from a sheared green carbonate altered rock with trace to 0.5% pyrite.

A trenching program was initiated over, adjacent to and up ice of the new mineralized boulders in hopes to intersect the east extension of the green carbonate altered rock and feldspar porphyry contact. A total of 21 trenches and pits were excavated. Thirteen exploration pits (D-1-4, D-10, 11, D-13- 17 and D-19, 20) were dug between 6.0-7.5m in depth. No outcrop was seen in these exploration pits and were labeled as DUD (duds). Trenches D-5 to D-9, D-12 and D-21 intercepted outcrop and therefore were extended, washed and sampled. Trench/pit D-6 had the most success. Most outcrop within the trench was green carbonate altered rock with minor silicified feldspar porphyry with minor quartz/carbonate veining including pyrite mineralization. A total of 21 samples were taken from this area. The best sample was W8647 with a gold value of 2.09 gpt from the feldspar porphyry and green carbonate altered rock contact with 5-8% pyrite.

### **Regional Geology**

The Caman block of claims, located within the Guibord Township, are located directly north of the Porcupine Destor Fault Zone (PDZF) and south of the Cook Fault. Bedrock within the Guibord Township consists of mafic and ultramafic volcanics that strike E-W to ESE and dip steeply to the north. A sedimentary sequence, interpreted to be of the Timiskaming type occurs within the northwestern portion of the township. Granitic intrusives and syenite occur throughout the township. In particular, a granitic body occupies the east central part of the township.

### **Local Geology**

The Porcupine Destor Fault Zone (PDZF) strikes W-N-W to SE through the center of the property. Diamond drilling has indicated that the fault occurs within an ultramafic horizon and is well marked by sheared, talcose, carbonatized ultramafics. Directly north of the fault zone, drilling indicates a serpentine-talc carbonate. North of this unit, outlined both by drilling and exposed outcrop is a 120 to 150 meter wide zone of fuchsite rich green carbonatized ultramafics. This distinct unit is cut by 10-40% quartz/carbonate veining. Altered syenitized porphyry lies directly north of the green carbonate altered zone. This altered felsic unit is marked by pale green sericite and 5-10% quartz veining. Bounding the felsic unit to the north and the altered ultramafic horizon are pillowed to massive mafic volcanics.

### **Program Overview**

St. Andrew Goldfields employees identified the location of the previous trenches excavated in 2007 and exposed outcrop in order to choose the new areas of focus. The overburden stripping, trenching and sampling program was under the supervision of Craig Todd and John McKenzie with the assistance of Spencer Burden, a Geology summer student employed by SAS. Two historic areas were chosen to be

expanded and sampled, historic trench/pit D-6 and D-12. The two stripped areas are approximately 89m apart. Grab samples were also taken at previous trenched areas that were dug in 2007.

The stripping was completed by a contractor hired by SAS. The contractor was NPLH Drilling owned and operated by Alexander Blaquiére of Timmins, ON. NPLH Drilling provided an excavator and operator to SAS in order to complete the necessary work. After the area was stripped, NPLH drilling washed the bedrock utilizing a high pressure pump and hose in order for SAS employees to clearly view the geology of the bedrock. The area was then mapped and marked up for sampling by SAS personnel. Channel samples were cut by two NPLH employees using a gas powered rock saw. This program was under the supervision of John McKenzie. A total of 177 channel samples were taken from two stripped areas; Trench #1 and Trench#2. Ten grab samples were taken within the Caman block at areas of interest.

Trench #1 (historic D-6 trench) was expanded, mapped and channel sampled in order to follow up on previous gold values intercepted in this area. Most of the exposed outcrop was green carbonate, fuchsite altered rock with silicified porphyry/syenite with quartz/carbonate veining and mafic volcanic towards the east, pyrite mineralization seen throughout. A total of 119 channel samples were taken (E604501-E604633), blanks and standards were inserted following SAS procedures. Initial observation of mineralization appeared highly encouraging, with high amounts of sulphide identified in hand specimen. Sample E604533 returned with a gold value of 1.11 gpt/0.7m, sample E604544 returned with a gold value of 1.03 gpt/0.7m, sample E604562 returned with a gold value of 1.05 gpt/0.8m, sample E604591 returned with a gold value of 1.19 gpt/0.7m. These four samples were from green carbonate altered rock containing amounts of up to 30% quartz/carbonate veining with 3-4% pyrite mineralization. Refer to **Figure 3** for a plan view of the stripped are of Trench #1.

Trench #2 (historic D-12 trench) was expanded, and channel sampled. Most of the channel samples show mafic/ultramafic rock, some syenite and green carbonate altered rock samples were also taken. A total of 58 channel samples were taken (E604634-E604695), blanks and standards were inserted following SAS procedures. The best sample was E604643. It returned 0.21 gpt/1.1m from a silicified syenite composed of 5-10% quartz-carbonate stringers and 4-5% fine grained pyrite. Refer to **Figure 4** for a plan view of the stripped are of Trench #2.

Ten grab samples were taken (E5155202-E5155211); in areas of interest on the Caman block all within surface and mining rights patent L14650. The samples were taken along the previous dug trenches/pits from 2007. Four grab samples were taken from an exposed outcrop located south within Trench #1. The best sample was E5151208 (CMAN-04A). It returned with a gold value of 3.55 gpt, weighing 30 grams, from a milky quartz vein with 1-2% pyrite. Refer to **Figure 5** for a plan view of the grab samples.

### **Assay Method**

All samples were identified and bagged by SAS employees at the stripped site and brought back to the Exploration office in Matheson, ON. At this point, the samples were analyzed by John McKenzie and Spencer Burden who also assigned identification numbers to each sample. The samples were then grouped into rice bags by Yvan Labelle and Todd Sanderson who are also employed by SAS. Samples

were picked up by AGAT Laboratories and brought to their certified lab in Mississauga, ON for analysis by fire assay. If gold values are greater than 10 grams per ton, a gravimetric finish is then performed.

## Certificate of Qualifications

I, Sophie Chartrand of 1010 Ferguson Road, Porcupine, ON, P0N 1K0, do hereby declare:

- This report is being submitted on behalf of St. Andrew Goldfields Ltd.
- I am a salaried employee of St. Andrew Goldfields since August, 2012
- I have no interests, either directly or indirectly, nor do I expect to receive any in the future in regards to the Caman property
- I am a graduate of Cambrian College's three year Geological Technologist program

Signed,

A handwritten signature in black ink, appearing to read 'S. Chartrand', is written over a solid horizontal line.

Sophie Chartrand

## **CERTIFICATE OF QUALIFICATIONS**

I, Craig Todd of 22 Harding Ave, Kirkland Lake, Ontario, do hereby declare:

- I graduated from the Laurentian University in 1979 with an Honours BSc degree in Geology.
- I have been employed full time in the Geosciences industry since graduation
- I have worked primarily in gold exploration and extraction in Abitibi Greenstone Belt for the majority of my working career.
- I am a salaried employee of St Andrew Goldfields since October, 2008
- I am a registered member in good standing of the Association of Professional Geoscientists of Ontario.

Signed:

Craig Todd, P. Geo.





Figure 1

# Claims Location Map within Guibord Township

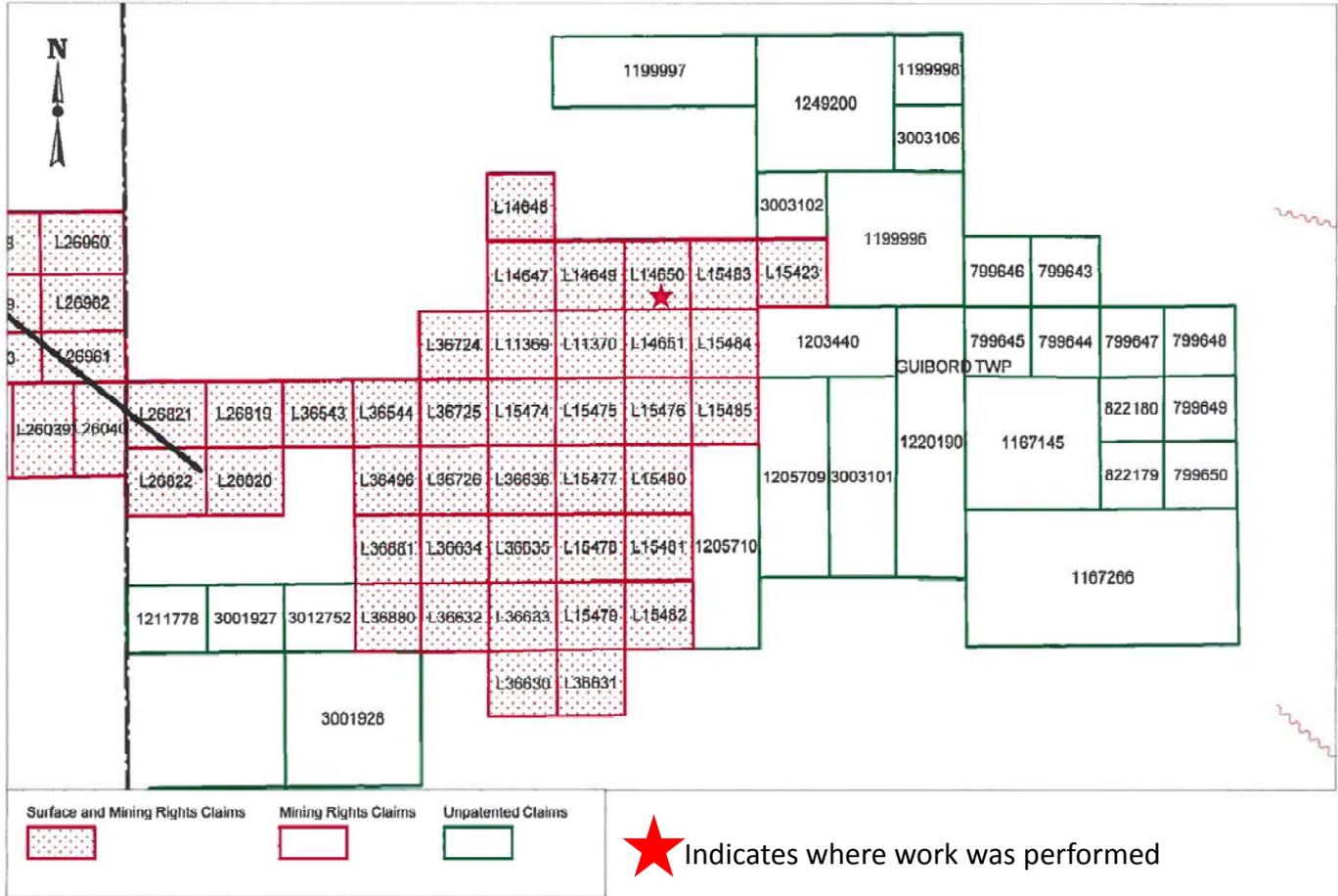
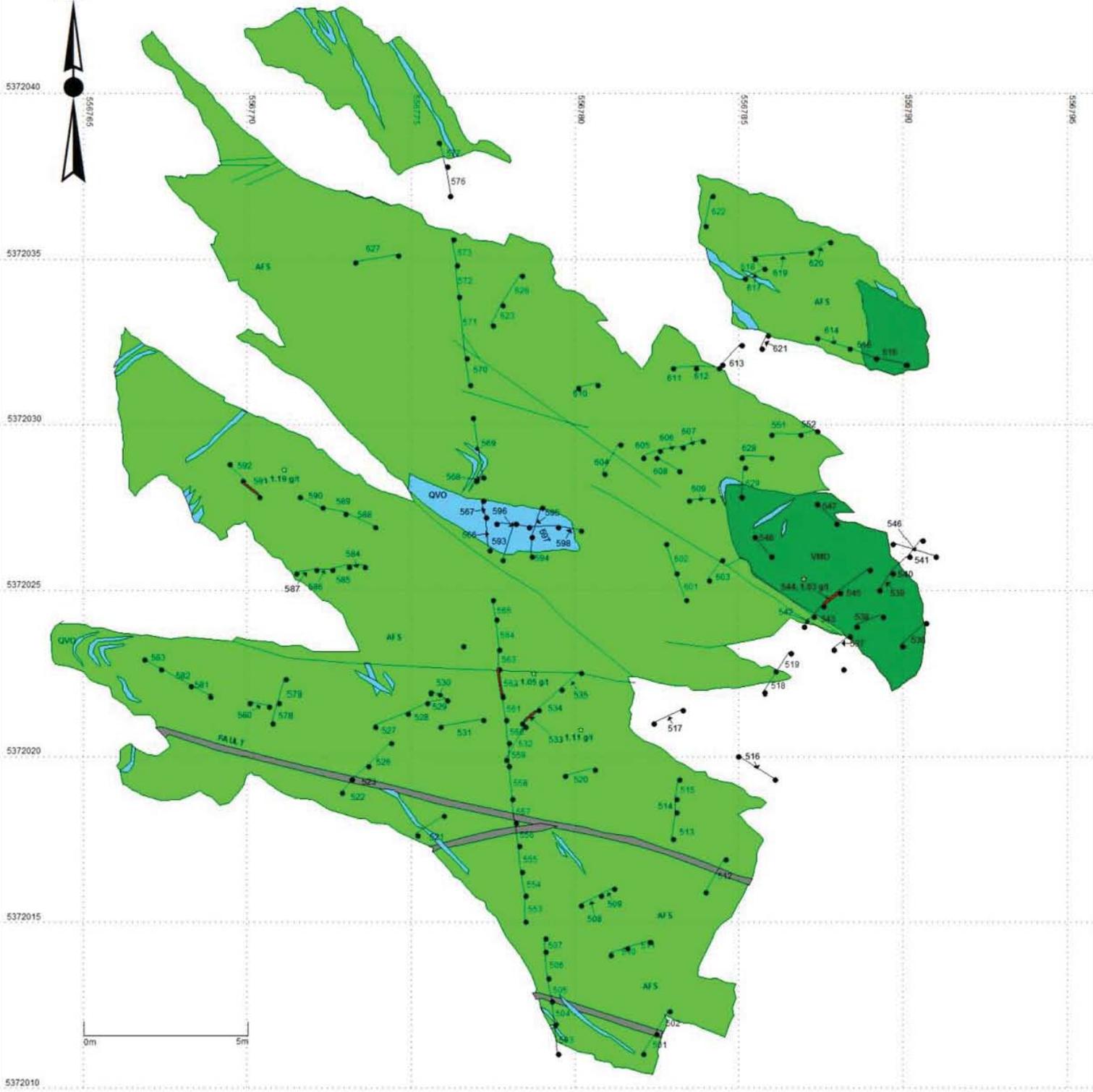


Figure 2

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# Plan View of Stripped and Channel Sampled Area – Caman Trench #1

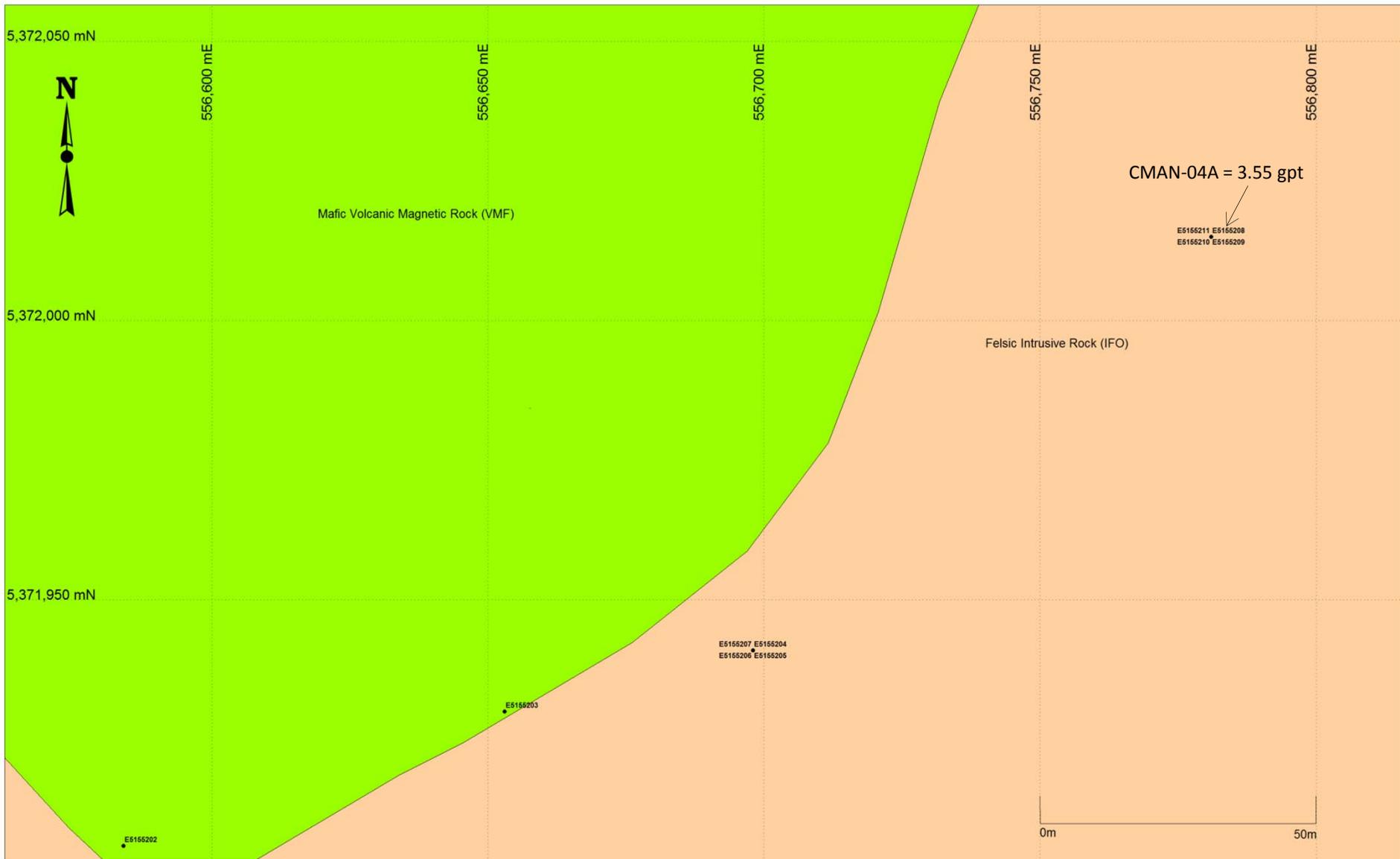


<b>Geology Legend</b>			Patented Claim No. L14650 Guibord Township UTM Nad83 Zone 17	
AFS	Fuchsite Altered Rock			
VMO	Mafic Volcanic Undivided		Scale: 1mm=80m	
QVO	Quartz Veins			

Figure 3



# Plan View of Grab Sample locations within Caman



Patented Claim No. L14650  
Guibord Township  
UTM Nad83 Zone 17



Figure 5



Figure 6



Figure 7



## **Appendix 1**

### **Channel & Grab Sample Descriptions**

**Camán Channel Samples - Assay Results/Descriptions - Trench #1**

<b>Sample Number</b>	<b>Easting</b>	<b>Northing</b>	<b>Length (m)</b>	<b>Au Value (g/t)</b>	<b>Description</b>
E604501	556782.1	5372011.0	0.80	0.02	Green Carb, 20% Q-C veining, Tr-1% py.
E604502	556782.5	5372011.6	0.80	0.01	Green Carb, 20% Q-C veining, Tr-1% py.
E604503	556779.5	5372011.0	0.90	0.01	Green Carb, 20% Q-C veining, Tr-1% py.
E604504	556779.4	5372011.9	0.70	0.08	Green Carb, 20% Q-C veining, Tr-1% py.
E604505	556779.3	5372012.6	0.70	0.01	Green Carb, 20% Q-C veining, Tr-1% py.
E604506	556779.2	5372013.3	0.80	0.04	Green Carb/Syenite (50/50). 3-4% Q-C stingers, trace py
E604507	556779.1	5372014.1	0.40	0.02	Green Carb? Very poor sample, difficult to ascertain lito type, not cut deep enough.
E604508	556780.2	5372015.5	0.70	0.17	Green Carb, weak to mod silica alteration within wall rock. 4% py, 20-25% Q-C veining, weak sercite alteration.
E604509	556780.8	5372015.8	0.50	0.61	Green Carb/Syenite (50/50). 20% Q-C stingers, 4% py

E604510	556781.1	5372014.0	0.50	0.01	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604511	556781.6	5372014.2	0.80	0.00	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604512	556784.0	5372015.9	1.10	0.00	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604513	556783.0	5372017.5	0.80	0.06	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604514	556783.1	5372018.3	0.50	0.12	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604515	556783.1	5372018.7	0.50	0.01	Green Carb, weak sercite stringers/threads. 60% veining, 2-3% py.
E604516	556785.0	5372020.0	1.20	0.03	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604517	556782.4	5372021.0	1.00	0.33	Green Carb, weak sercite stringers/threads. 75% veining, 2-3% py.
E604518	556785.8	5372021.9	0.70	0.18	Syenite, Green Carb (50/50), 15% Q-C veining, 5% py. Weak patchy hematite in both
E604519	556788.2	5372022.6	0.70	0.08	Green Carb weak spotty Albite alteration, 5% py, 65% veining

E604520	556779.7	5372019.4	1.00	0.00	Green Carb 40-50% veining, 4-5% py.
E604521	556775.2	5372017.6	1.00	0.29	Green Carb 40-50% veining, 4-5% py.
E604522	556772.9	5372018.9	0.50	0.03	Green-Carb, 30% Q-C veining, 6% disseminated py.
E604523	556773.2	5372019.3	0.70	0.01	Green-Carb, 50-60% Q-C veining, 1-2% py.
E604526	556773.7	5372019.7	0.90	0.00	Green-Carb, 50-60% Q-C veining, 1-2% py.
E604527	556773.9	5372020.9	1.00	0.03	Poorly taken sample, channel not cut deep enough. GC?
E604528	556774.9	5372021.3	0.70	0.33	Poorly taken sample, channel not cut deep enough. GC?
E604529	556775.5	5372021.6	0.60	0.23	Green-Carb 15% Q-C veining, 10% disseminated f-mg py.
E604530	556776.1	5372021.7	0.50	0.52	Green-Carb, weak sericite alteration. 50% Q-C veining,
E604531	556775.9	5372020.9	1.30	0.47	Green-Carb, 95% Q-C veining, 3% py within wall rock.

E604532	556777.9	5372019.9	1.10	0.04	Green-Carb, 95% Q-C veining, 3% py within wall rock.
E604533	556778.4	5372021.0	0.70	1.11	Green-Carb, 95% Q-C veining, 3% py within wall rock.
E604534	556778.9	5372021.4	0.80	0.11	Green-Carb, 95% Q-C veining, 3% py within wall rock.
E604535	556779.6	5372022.0	0.80	0.06	Green-Carb, 95% Q-C veining, 3% py within wall rock.
E604536	556790.0	5372023.3	1.00	0.08	Green-Carb, moderate hematite alteration throughout. 2-4% py, 5% QC stringers
E604537	556787.9	5372023.2	0.50	0.00	Quartz-Carbonate vein. 2% disseminated pyrite.
E604538	556788.6	5372023.9	0.80	0.02	Quartz-Carbonate vein. 2% disseminated pyrite.
E604539	556789.3	5372025.0	0.70	0.53	Green Carbonate/Syenite. Red coloured, similar to previous mixing zone. 5-10% Quartz-Carb veining. Approx. 10% pyrite.
E604540	556789.7	5372025.5	0.60	0.15	Green Carbonate/Syenite. Red coloured, similar to previous mixing zone. 5-10% Quartz-Carb veining. Approx. 10% pyrite.
E604541	556790.2	5372026.0	0.70	0.82	Green Carbonate/Syenite. Red coloured, similar to previous mixing zone. 5-10% Quartz-Carb veining. Approx. 10% pyrite.

E604542	556787.0	5372023.9	0.40	0.07	Green Carb. 85% Quartz-Carb veining. 4% pyrite.
E604543	556787.3	5372024.2	0.40	0.01	Quartz-Carbonate vein. 2% disseminated pyrite.
E604544	556787.6	5372024.5	0.70	1.03	Green Carb. 30% Quartz-Carb veining. 3-4% pyrite.
E604545	556788.1	5372024.9	1.10	0.09	Green-Carb? Approximately 90% veining material. 3-4% pyrite
E604546	556789.7	5372026.4	1.20	0.36	Looks like partial replacement of green carbonate by hematite-syenite. Dyke/contact mixing zone? 5-10% Quartz-Carb veining. 5-8% pyrite.
E604547	556788.0	5372027.0	0.90	0.08	Green-Carb/Syenite? More green carbonate looking. 10-15% Quartz-Carb veining. 3-4% pyrite + moly?
E604548	556786.0	5372026.0	0.80	0.16	Green-Carb/Syenite? Strong-complete carb replacement. 5-8% Quartz-Carb veining. 3-4% pyrite + moly?
E604551	556786.0	5372029.7	0.90	0.01	Green-Carb. 30% Quartz-Carb veining. 2-3% fine grained pyrite.
E604552	556786.9	5372029.7	0.50	0.01	Green Carb. 60% Quartz-Carb veining. 1% pyrite.
E604553	556778.5	5372015.0	0.80	0.04	Green Carb. 40% Quartz-Carb veining. 2% pyrite.

E604554	556778.5	5372015.8	0.70	0.02	Green-Carb. 90% Quartz-Carb veining. 3% pyrite.
E604555	556778.4	5372016.5	0.80	0.06	Blank
E604556	556778.3	5372017.3	0.70	0.07	Green-Carb. 10% Quartz-Carb veining. Trace of pyrite.
E604557	556778.2	5372018.0	0.80	0.03	Green-Carb. 10% Quartz-Carb veining. 3% pyrite.
E604558	556778.1	5372018.7	0.90	0.26	Green-Carb. 90% Quartz-Carb veining. 3% pyrite.
E604559	556778.0	5372019.7	0.70	0.24	Green-Carb. 25-30% Quartz-Carb veining. 6% pyrite.
E604560	556778.0	5372020.4	0.80	0.29	Green-Carb. 40% Quartz-Carb veining. 1% pyrite.
E604561	556777.9	5372021.1	0.70	0.08	Green-Carb. 15-20% Quartz-Carb veining. 4% pyrite.
E604562	556777.8	5372021.8	0.80	1.05	Green-Carb. Slight structure seen within. Very little veining. Trace of pyrite.
E604563	556777.7	5372022.6	0.60	0.04	Highly oxidized. 30% Quartz-Carb veining. 1-2% pyrite.

E604564	556777.7	5372023.2	0.90	0.02	Green-Carb. 85-90% Quartz-Carb veining. 1-2% pyrite.
E604565	556777.6	5372024.1	0.60	0.00	Green-Carb. 85-90% Quartz-Carb veining. 1-2% pyrite.
E604566	556777.4	5372026.2	1.00	0.00	Green-Carb. 85-90% Quartz-Carb veining. 1-2% pyrite.
E604567	556777.3	5372027.2	0.50	0.00	Green-Carb. 85-90% Quartz-Carb veining. 1-2% pyrite.
E604568	556777.2	5372028.4	0.90	0.01	Green-Card. 40% Quartz-Carb veining. 8-10% pyrite.
E604569	556777.0	5372028.3	0.90	0.09	Green-Card. 40% Quartz-Carb veining. 8-10% pyrite.
E604570	556776.8	5372031.2	0.80	0.02	Blank
E604571	556776.7	5372032.0	1.30	0.74	
E604572	556776.6	5372023.3	1.50	0.15	Green-Carb, 30%. Quartz-Carb veining, 20%. Syenite altered, mod-strongly hematite altered. Overall, 4% pyrite.
E604573	556776.4	5372034.8	0.80	0.01	Green-Carb, 30%. Quartz-Carb veining, 20%. Syenite altered, mod-strongly hematite altered. Overall, 4% pyrite.

E604576	556776.2	5372036.9	0.90	0.01	Green-Carb. 60% Q-C veining. Trace of pyrite.
E604577	556776.1	5372037.8	0.90	0.00	Green-Carb. 45% Q-C veining. 1-2% of pyrite.
E604578	556770.8	5372021.0	0.60	0.11	Green-Carb. 45% Q-C veining. Trace of pyrite.
E604579	556771.0	5372021.6	0.70	0.00	Green-Carb. 45% Q-C veining. Trace of pyrite.
E604580	556770.1	5372021.6	0.60	0.04	Green-Carb. 80% Q-C veining. Trace of pyrite throughout.
E604581	556768.9	5372021.8	0.60	0.03	GC. 60% Q-C veining. Trace of hexahedral pyrite.
E604582	556768.3	5372022.1	1.10	0.03	GC. 60% Q-C veining. Trace of hexahedral pyrite.
E604583	556767.4	5372022.6	0.50	0.11	Heavily oxidized. 60% Q-C veining. Fine grained pyrite
E604584	556773.6	5372025.7	0.50	0.00	Green-Carb, very green in colour. 40% Q-C veining. Trace of fine grained pyrite throughout.
E604585	556773.1	5372025.7	0.50	0.03	Green-Carb, syenite mixing. 20-30% Q-C veining throughout. Syenite contains 3-5% pyrite, 1-2% pyrite in GC.

E604586	556772.6	5372025.6	0.50	0.08	Green-Carb. 45% Q-C veining. Trace to 1% pyrite.
E604587	556772.1	5372025.6	0.60	0.03	Green-Carb. 45% Q-C veining. Trace to 1% pyrite.
E604588	556773.9	5372026.9	1.00	0.00	Green-Carb. 25% Q-C veining. Trace to 1% pyrite.
E604589	556773.0	5372027.3	0.70	0.01	Green-Carb. Weak sericite alteration with 30% Q-C veining. 1-3% fine grained pyrite.
E604590	556772.3	5372027.5	0.77	0.03	Green-Carb. Weak sericite alteration with 30% Q-C veining. 1-3% fine grained pyrite.
E604591	556770.4	5372027.8	0.70	1.19	Green-Carb. Weak sericite alteration with 30% Q-C veining. 1-3% fine grained pyrite.
E604592	556769.9	5372028.3	0.70	0.21	Green-Carb, 25% Q-C vein. Locally up to 5% fine grained pyrite.
E604593	556777.8	5372025.9	1.20	0.00	Green-Carb, 75% Q-C veining. Overall, spotty pyrite. Locally 4-6% pyrite/arsenopyrite.
E604594	556778.7	5372026.0	0.70	0.01	Green-Carb, 95-96% Q-C veining. 3% fine grained disseminated pyrite.
E604595	556778.7	5372026.6	0.80	0.00	Quartz-Carbonate vein. 1-2% disseminated pyrite.

E604596	556777.6	5372027.0	1.00	0.01	Green-Carb, UM. 2-5% Q-C veining, with 1-2% fine grained py disseminated.
E604597	556778.6	5372026.9	0.80	0.02	Green-Carb, UM. 2-5% Q-C veining, with 1-2% fine grained py disseminated.
E604598	556779.5	5372026.9	0.70	0.00	Green-Carb, UM. Unit comprised of approx 80% Q-C veining, with trace fine to medium grained py disseminated primarily within wall rock.
E604601	556783.4	5372024.7	0.80	0.59	Green-Carb, UM. Unit comprised of approx 80% Q-C veining, with 2% fine to medium grained py disseminated primarily within wall rock.
E604602	556783.1	5372025.5	1.00	0.52	Green-Carb, UM. Unit comprised of approx 80% Q-C veining, with 2% fine to medium grained py disseminated primarily within wall rock.
E604603	556784.1	5372025.3	0.80	0.15	Green-Carb, weak, spotty sercite alt, occurring as threads and stringers. Weakly sheared, 2-3% fg-mg py. 5-7% Q-C veining.
E604604	556780.9	5372028.5	0.90	0.04	Green-Carb, weak, spotty sercite alt, occurring as threads and stringers. Weakly sheared, 2-3% fg-mg py. 5-7% Q-C veining.
E604605	556782.1	5372029.0	0.50	0.01	G-C (60%) and Syenite(40%), contact. Moderate silica alteration, 5-6% finely disseminated py. Approx 5% Q-C veining.
E604606	556782.6	5372029.2	0.70	0.05	Green Carb, UM. Weak to moderately sheared, 60-70% Q-C veining (+/- ankerite). 4-5% fg-mg disseminated py.
E604607	556783.3	5372029.3	0.60	0.02	Green Carb, UM. Weak to moderately sheared, 60-70% Q-C veining (+/- ankerite). 4-5% fg-mg disseminated py.

E604608	556783.2	5372028.6	0.80	0.24	Green Carb. UM 15-20%, Q-C veining, 2-3% disseminated py. Weak spotty sercite alteration.
E604609	556783.5	5372027.7	0.70	0.03	Contact with G-C, moderate hematite alteration in both units. 2-3% py, 5-8% q-c veining
E604610	556780.1	5372031.1	0.50	0.03	Green Carb, localized weak hematite and sercite alt. 2% py, 60% Q-C veining
E604611	556783.0	5372031.7	0.70	0.00	Green Carb, weak to moderate localized albitic alteration, 6- 8% finely disseminated py, 60% Q-C veining.
E604612	556783.7	5372031.7	0.60	0.00	Green Carb, patchy moderate sercite alt, weak localized albite. 4-6% py, 30-35%QC veining
E604613	556784.5	5372031.8	0.80	0.01	Green Carb, 70% Q-C veining, 3-5% py.
E604614	556787.4	5372032.6	1.00	0.03	Green Carb, 70% Q-C veining, 3-5% py.
E604615	556788.4	5372032.3	0.90	0.29	G-C/Syenite, mix of units. 10-15% py, 30-40% Q-C veining. Weak to mod hematite alt.
E604616	556789.2	5372032.0	0.90	0.28	Syenite, weak pervasive silica alteration. 5-6% Q-C veining ,6- 8% py.
E604617	556785.2	5372034.4	0.70	0.00	Green Carb, 1-2% mg py, 60-70% Q-C veining, weak spotty sercite.

E604618	556785.8	5372034.7	0.70	0.00	Green Carb, TR mg py, 40% Q-C veining, weak spotty serecite.
E604619	556785.5	5372035.0	0.70	0.00	Green Carb, 1-2%- mg py, 40% Q-C veining, weak spotty serecite.
E604620	556787.2	5372035.2	0.70	0.00	Green Carb, 25-30% Q-C veining, 2-3% f-mg disseminated py.
E604621	556785.7	5372032.3	0.50	0.00	Green Carb, 25-30% Q-C veining, 5-10+E60% f-mg disseminated py.
E604622	556784.0	5372036.0	1.00	0.01	Green Carb, 30% Q-C veining, 3% fg py.
E604623	556777.5	5372033.0	0.70	0.00	Green Carb. 75-80% Q-C veining, weak serecite alt. 1-2% py.
E604626	556777.8	5372033.6	1.10	0.04	Syenite, 5% Q-C veining, weak to mod hem staining/alt, 5-8% Q-C veining, 10-12% finely disseminated py.
E604627	556773.3	5372034.9	1.20	0.06	Green Carb 35-40% Q-C veining, 3-4% py.
E604628	556785.1	5372029.0	0.80	0.06	Green Carb 35-40% Q-C veining, 3-4% py.
E604629	556785.1	5372027.8	0.90	0.16	Green Carb 35-40% Q-C veining, 3-4% py.

E604630	556785.1	5372027.8	0.90	0.09	Green-Carbonate. Unit is composed of 60% Q-C veining and 6% pyrite.
E604631	556785.1	5372027.8	0.90	0.01	Green Carbonate. Unit is composed of 25% Q-C veining. Syenite alt. 8% pyrite, arsenopyrite?
E604632	556785.1	5372027.8	0.90	0.00	Green Carbonate. Unit is composed of 15% Q-C veining. 4% pyrite, arsenopyrite?
E604633	556785.1	5372027.8	0.90	0.00	Green Carbonate. Unit is composed of 15% Q-C veining. 4% pyrite, arsenopyrite?

**Caman Channel Samples - Assay Results/Descriptions - Trench #2**

Sample Number	Easting	Northing	Length (m)	Au Value (g/t)	Description
E604634	556690.0	5371941.0	1.10	0.01	Mafic Volcanic/Komattite. Dark green in colour composed of 15% Quartz-Carbonate veinlets. Minor syenite containing ~ 5% pyrite. Overall, 5% pyrite.
E604635	556690.0	5371941.0	0.60	0.00	Mafic Volcanic/Komattite. Dark green in colour composed of approximately 15% Quartz-Carbonate veinlets. 1-2% pyrite.
E604636	556691.0	5371943.0	0.80	0.09	Syenite composed of 20-25% Quartz-Carbonate stringers to veins. 5-8% pyrite with trace of possible moly?
E604637	556691.0	5371945.0	0.70	0.01	Mafic Volcanic/Ultramafic - Komatiite? Composed of 10% Q-C veining and 20% of narrow felsic dyke w/ 3-5% pyrite.
E604638	556694.0	5371948.0	0.60	0.00	Mafic Volcanic/Ultramafic - Komatiite? Composed of 10% Q-C veining w/ trace-1% pyrite. Local albitic alteration seen within unit containing 4% pyrite.
E604639	556694.0	5371948.0	0.60	0.01	Mafic Volcanic, massive, along syenite contact. Trace of pyrite in mafic and 3% in the syenite.
E604640	556694.0	5371939.0	0.80	0.04	Mafic/Komatiite/Syenite mix. Composed of 40% Mafic/Komatiite and 60% syenite. 5% Quartz-Carbonate. 1-3% pyrite contained within unit.
E604641	556696.0	5371940.0	1.10	0.01	Mafic Volcanic/Komatiite. Composed of 5-8% Quartz-Carbonate veins. 1-2% fine grained pyrite.
E604642	556696.0	5371940.0	0.70	0.09	Silicified syenite, containing 6-8% fine grained pyrite.

E604643	556701.0	5371944.0	1.10	0.21	Silicified syenite, composed of 5-10% Q-C stringers and 4-5% fine grained pyrite.
E604644	556701.0	5371949.0	1.00	0.01	Mafic Volcanic/Syenite. Composed of 1-3% Quartz-Carbonate veins. 2% fine grained pyrite.
E604645	556701.0	5371949.0	0.70	0.03	Grey rock - Granodiorite? Approx. 2% fine grained pyrite within unit.
E604646	556701.0	5371949.0	0.80	0.00	Ultramafic/Komatiite. Composed of 5% Q-C, weakly talc altered. Trace - 1% pyrite.
E604647	556701.0	5371945.0	0.90	0.01	Mixed Mafic/Ultramafic and Syenite. Unit is composed of 10% Quartz-Carbonate. 3-6% fine grained pyrite.
E604648	556704.0	5371944.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 10% Quartz carboante. 2% fine grain pyrite.
E604651	556704.0	5371944.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 10% Quartz carboante. 2% fine grain pyrite.
E604652	556704.0	5371938.0	1.20	0.15	Syenite composed of 25% Quartz-Carbonate stockwork style veining containing possible tourmaline? 5% pyrite and 1-2% molybdenite.
E604653	556704.0	5371938.0	0.90	0.03	Syenite mix. Approx. 5% Quartz Carbonate with 6% pyrite.
E604654	556704.0	5371938.0	1.10	0.04	Silicified syenite containing 2-3% Q-C stringers. 4-5% fine grained pyrite.

E604655	556709.0	5371945.0	1.10	0.01	Ultramafic/Komatiite. Soft texture and dark green in colour. 2-3% fine grained pyrite.
E604656	556709.0	5371945.0	1.10	0.00	Ultramafic/Komatiite composed of 6% quartz carbonate. Soft texture and dark green in colour. 2-3% fine grained pyrite.
E604657	556709.0	5371945.0	0.90	0.00	Ultramafic/Komatiite composed of 6% quartz carbonate. Soft texture and dark green in colour. 2-3% fine grained pyrite.
E604658	556709.0	5371945.0	0.90	0.05	Ultramafic-mafic volcanic? 5% Quartz-Carbonate with a trace of pyrite throughout.
E604659	556709.0	5371945.0	0.90	0.04	Ultramafic-mafic volcanic? Composed of 20% syenite . 10% Quartz-Carbonate with 5% pyrite throughout.
E604660	556709.0	5371945.0	0.80	0.04	Silicified syenite. 10% Quartz-Carbonate stringers. 4-5% fine grained pyrite.
E604661	556708.0	5371936.0	1.20	0.00	Green-Carbonate - 20%, containing 3% pyrite. Syenite - 80%, containing up to 15% pyrite.
E604662	556711.0	5371936.0	1.00	0.00	Ultramafic/Mafic Volcanic. Composed of 15% Quartz-Carbonate, 1% pyrite.
E604663	556711.0	5371936.0	1.00	0.00	Ultramafic/Mafic Volcanic. Composed of 15% Quartz-Carbonate, 1% pyrite.
E604664	556712.0	5371943.0	0.50	0.00	Ultramafic/Mafic Volcanic. Composed of 15% Quartz-Carbonate, 1% pyrite.

E604665	556712.0	5371943.0	1.20	0.00	Ultramafic/Mafic Volcanic. Composed of 15% Quartz-Carbonate, 1% pyrite.
E604666	556717.0	5371944.0	0.90	0.00	Ultramafic/Mafic Volcanic. Composed of 15% Quartz-Carbonate, 1% pyrite.
E604667	556717.0	5371944.0	0.70	0.01	Porphoritic syenite. Trace of sulphide and minor veinlet.
E604668	556717.0	5371944.0	0.70	0.00	Ultramafic/Komatiite composed of 10% veining, quartz-carbonate. 2% pyrite.
E604669	556717.0	5371944.0	0.90	0.01	Ultramafic/Komatiite composed of 10% veining, quartz-carbonate. 2% pyrite.
E604670	556717.0	5371944.0	0.70	0.00	Ultramafic/Komatiite composed of 10% veining, quartz-carbonate. 2% pyrite.
E604671	556717.0	5371944.0	0.80	0.00	Ultramafic/Komatiite composed of 10% veining, quartz-carbonate. 2% pyrite.
E604672	556717.0	5371944.0	0.70	0.00	Syenite/Granodiorite composed of 10% veining, quartz-carbonate. 2% pyrite.
E604673	556717.0	5371944.0	0.30	0.05	Dyke
E604676	556717.0	5371944.0	0.80	0.00	Ultramafic/Mafic Volcanic. 10% veining within containing 2% pyrite.

E604677	556717.0	5371944.0	0.60	0.00	Mafic Volcanic, 5-10% Quartz-Carbonate hematite altered vein. 2% pyrite.
E604678	556717.0	5371944.0	0.80	0.00	Mafic Volcanic/Porphyry/Grano. 5% Quartz-Carbonate, 2% pyrite.
E604679	556710.0	5371929.0	0.80	0.00	Mafic Volcanic, 5-10% Quartz-Carbonate hematite altered vein. 2% pyrite.
E604680	556710.0	5379429.0	1.00	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604681	556705.0	5371932.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604682	556703.0	5371932.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604683	556702.0	5371929.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604684	556696.0	5371929.0	0.90	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604685	556693.0	5371936.0	0.75	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604686	556693.0	5371936.0	0.70	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.

E604687	556693.0	5371936.0	0.60	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604688	556691.0	5371925.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604689	556691.0	5371925.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604690	556691.0	5371928.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604691	556695.0	5371930.0	0.80	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604692	556700.0	5371934.0	0.90	0.00	Mafic Volcanic/Ultramafic. Composed of 5% Quartz-Carbonate veining with local hematite alteration. 1-2% Fine grained pyrite.
E604693	556701.0	5371935.0	0.90	0.00	Fine-medium grained hematite altered syenite. 3-4% fine grained pyrite within.
E604694	556721.0	5371941.0	0.80	0.00	Fine-medium grained hematite altered syenite. 5-8% fine grained pyrite within.
E604695	556721.0	5371941.0	0.80	0.01	Green Carbonate composed of 70% Quartz-Carbonate veining. 5% fine grained pyrite within.

**Caman Grab Samples - Assay Results/Description**

Location	SAS Rock code	Sample	Sample #	Easting	Northing	Description	Au (g/t)	Au 2 (g/t)	Volume (ml)	Weight (g)
Caman Block	IFO	CMAN-01	E5155202	556584	5371906	Medium grained felsic intrusive with moderate silicification. Sulphides are present within the main rock mass, as well as the quartz vein cross-cutting the sample, ~1-2%.	0.01		5	30
Caman Block	IFO	CMAN-02	E5155203	556653	5371930	Heavily altered sample, probably altered felsic intrusive, medium grained. Silicification present, possible albitization? Area of multiple quartz veins, generally oriented N-S. Sulphides are present, ~1%.	0.01		5	30
Caman Block	VMM	CMAN-03A	E5155204	556698	5371941	Fine grained mafic volcanic from the felsic-mafic contact. There is a strong foliation visible in outcrop (256° and sub-vertical), however it is not as visible in the hand sample. Sulphides are present both in the volcanics and on vein borders, ~1-2%. Possibly some talc present, as the rock is fairly soft.	0.05		5	30
Caman Block	IFO	CMAN-03B	E5155205	556698	5371941	Sample taken adjacent to 03A. Much less foliation visible in the outcrop on the felsic side, and less so in hand sample. Rock seams much more competent than the mafic volcanics, felsic intrusive, medium grained. Sample is silicified and contains sulphides ~1-3% as pyrite crystals up to 3 mm.	0.04	0.01	5	30
Caman Block	QVO	CMAN-03C	E5155206	556698	5371941	Sample taken ~10m east of 03A&B. Sample is a fairly large oxidized quartz vein (~25cm) within the mafic volcanics. Sulphides are present at about 5% and as pyrite ranging in size up to 3mm.	0.04		5	30
Caman Block	VMX	CMAN-03D	E5155207	556698	5371941	Sample taken in what appears to be a brecciated portion of the mafic volcanics. Breccia fragments are separated by quartz carb veining, where some carb has the green alteration. Sulphides are present in the veining as well as the main rock mass.	0.03		5	30
Caman Block	QVO	CMAN-04A	E5155208	556781	5372015	Sample is mainly a milky quartz vein with some sulphides present as pyrite at about 1-2%.	3.55		5	30
Caman Block	ACG	CMAN-04B	E5155209	556781	5372015	Sample is green carb. altered rock with quartz veining. Sulphides are present, but mainly in the green carb. at about 2-3%.	0.09		5	30
Caman Block	ACG	CMAN-04C	E5155210	556781	5372015	Green carb. altered sample with quartz veining. Sulphides are present as pyrite at 2-3%. Surface oxidization present, and possible minor silicification.	0.14		5	30
Caman Block	ACG	CMAN-04D	E5155211	556781	5372015	Silicified sample with heavy surface oxidization and 5-7% sulphide content as pyrite. Quartz veining occurs throughout the sample.	0.07		5	30



## **Appendix 2**

### **AGAT Laboratories Assay Certificates**



CLIENT NAME: ST ANDREW GOLDFIELDS LTD  
HIGHWAY 101 EAST  
MATHESON, ON P0K1N0  
(705) 567-4862

ATTENTION TO: CRAIG TODD

PROJECT: CAMAN PROJECT

AGAT WORK ORDER: 14U885581

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Lab Co-ordinator

DATE REPORTED: Sep 30, 2014

PAGES (INCLUDING COVER): 9

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 14U885581

PROJECT: CAMAN PROJECT

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 08, 2014      DATE RECEIVED: Sep 05, 2014      DATE REPORTED: Sep 30, 2014      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
E604501 (5780433)		1.54	0.009
E604502 (5780434)		0.90	0.009
E604503 (5780435)		1.96	0.005
E604504 (5780436)		0.82	0.080
E604505 (5780437)		1.40	0.010
E604506 (5780438)		1.08	0.040
E604507 (5780439)		0.44	0.021
E604508 (5780440)		1.16	0.172
E604509 (5780441)		1.26	0.608
E604510 (5780442)		0.90	0.012
E604511 (5780443)		1.44	0.002
E604512 (5780444)		2.10	0.004
E604513 (5780445)		1.06	0.064
E604514 (5780446)		1.42	0.115
E604515 (5780447)		1.18	0.013
E604516 (5780448)		1.54	0.025
E604517 (5780449)		0.70	0.326
E604518 (5780450)		0.50	0.181
E604519 (5780451)		0.88	0.075
E604520 (5780452)		1.66	0.002
E604521 (5780453)		0.76	0.259
E604522 (5780454)		0.70	0.030
E604523 (5780455)		0.66	0.005
E604524 (5780456)		0.10	0.863
E604525 (5780457)		1.44	<0.001
E604526 (5780458)		1.04	0.002
E604527 (5780459)		0.74	0.025
E604528 (5780460)		0.42	0.332
E604529 (5780461)		0.46	0.233
E604530 (5780462)		0.82	0.521
E604531 (5780463)		1.06	0.474

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 14U885581

PROJECT: CAMAN PROJECT

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
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CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 08, 2014

DATE RECEIVED: Sep 05, 2014

DATE REPORTED: Sep 30, 2014

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
E604532 (5780464)		1.32	0.041
E604533 (5780465)		0.64	1.11
E604534 (5780466)		0.62	0.111
E604535 (5780467)		0.56	0.060
E604536 (5780468)		0.98	0.080
E604537 (5780469)		0.50	0.002
E604538 (5780470)		1.02	0.017
E604539 (5780471)		0.68	0.532
E604540 (5780472)		0.78	0.150
E604541 (5780473)		1.42	0.859
E604542 (5780474)		0.56	0.067
E604543 (5780475)		0.38	0.007
E604544 (5780476)		0.76	1.03
E604545 (5780477)		1.58	0.089
E604546 (5780478)		3.00	0.355
E604547 (5780479)		1.22	0.078
E604548 (5780480)		0.76	0.155
E604549 (5780481)		0.08	1.24
E604550 (5780482)		1.18	0.002
E604551 (5780483)		1.80	0.007
E604552 (5780484)		1.12	0.009
E604553 (5780485)		2.24	0.035
E604554 (5780486)		0.90	0.017
E604555 (5780487)		0.48	0.060
E604556 (5780488)		1.16	0.066
E604557 (5780489)		1.82	0.034
E604558 (5780490)		1.06	0.258
E604559 (5780491)		1.22	0.154
E604560 (5780492)		1.10	0.292
E604561 (5780493)		0.66	0.082
E604562 (5780494)		1.36	1.05

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 14U885581

PROJECT: CAMAN PROJECT

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 TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 08, 2014

DATE RECEIVED: Sep 05, 2014

DATE REPORTED: Sep 30, 2014

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01	Au ppm 0.001
E604563 (5780495)		0.94	0.036
E604564 (5780496)		1.10	0.021
E604565 (5780497)		0.78	0.001
E604566 (5780498)		0.96	0.002
E604567 (5780499)		1.54	0.001
E604568 (5780500)		0.36	0.007
E604569 (5780501)		2.12	0.088
E604570 (5780502)		0.84	0.019
E604571 (5780503)		0.44	0.740
E604572 (5780504)		0.86	0.149
E604573 (5780505)		0.82	0.007
E604574 (5780506)		0.08	0.869
E604575 (5780507)		1.14	<0.001
E604576 (5780508)		3.84	0.011
E604577 (5780509)		2.48	0.001
E604578 (5780510)		0.70	0.114
E604579 (5780511)		1.00	0.004
E604580 (5780512)		0.34	0.041
E604581 (5780513)		2.04	0.027
E604582 (5780514)		4.16	0.030
E604583 (5780515)		1.36	0.113
E604584 (5780516)		0.66	0.002
E604585 (5780517)		1.02	0.033
E604586 (5780518)		0.88	0.084
E604587 (5780519)		1.74	0.025
E604588 (5780520)		0.92	0.004
E604589 (5780521)		0.92	0.013
E604590 (5780522)		1.08	0.031
E604591 (5780523)		1.90	1.19
E604592 (5780524)		1.40	0.205
E604593 (5780525)		2.86	0.003

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 14U885581

PROJECT: CAMAN PROJECT

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 08, 2014      DATE RECEIVED: Sep 05, 2014      DATE REPORTED: Sep 30, 2014      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
E604594 (5780526)		0.90	0.007
E604595 (5780527)		1.10	<0.001
E604596 (5780528)		1.22	0.009
E604597 (5780529)		0.98	0.015
E604598 (5780530)		0.50	0.002
E604599 (5780531)		0.10	1.25
E604600 (5780532)		1.04	<0.001
E604601 (5780533)		1.12	0.589
E604602 (5780534)		1.20	0.518
E604603 (5780535)		1.22	0.154
E604604 (5780536)		2.24	0.044
E604605 (5780537)		2.70	0.008
E604606 (5780538)		2.08	0.053
E604607 (5780539)		1.76	0.015
E604608 (5780540)		1.82	0.244
E604609 (5780541)		1.92	0.025
E604610 (5780542)		0.98	0.031
E604611 (5780543)		1.80	0.004
E604612 (5780544)		2.32	0.004
E604613 (5780545)		2.96	0.009
E604614 (5780546)		1.94	0.025
E604615 (5780547)		3.16	0.287
E604616 (5780548)		1.66	0.277
E604617 (5780549)		1.46	0.004
E604618 (5780550)		1.50	0.003
E604619 (5780551)		1.38	0.002
E604620 (5780552)		1.88	0.002
E604621 (5780553)		2.22	0.004
E604622 (5780554)		1.16	0.010
E604623 (5780555)		0.94	<0.001
E604624 (5780556)		0.10	0.886

Certified By:



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ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Sep 08, 2014      DATE RECEIVED: Sep 05, 2014      DATE REPORTED: Sep 30, 2014      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight	Au
	Unit:	kg	ppm
	RDL:	0.01	0.001
E604625 (5780557)		1.28	<0.001
E604626 (5780558)		2.06	0.041
E604627 (5780559)		1.08	0.059
E604628 (5780560)		1.52	0.060
E604629 (5780561)		1.98	0.157
E604630 (5780562)		2.64	0.089
E604631 (5780563)		3.36	0.010
E604632 (5780564)		3.22	<0.001
E604633 (5780565)		2.56	<0.001

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	E604501	0.009	0.025		E604521	0.259	0.298	14.0%	E604541	0.859	0.819	4.8%	E604559	0.154	0.252	
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	E604576	0.011	0.009	20.0%	E604597	0.015	0.018	18.2%	E604617	0.004	0.002					



CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: CRAIG TODD

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	CRM #1 (ref.GS6D)				CRM #2 (ref.1P5K)				CRM #3 (ref.OxE101)				CRM #4 (ref.GS6D)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.09	5.74	94%	90% - 110%	1.44	1.37	95%	90% - 110%	0.607	0.594	98%	90% - 110%	6.09	6.25	103%	90% - 110%
	CRM #5 (ref.1P5K)				CRM #6 (ref.GSP7J)				CRM #7 (ref.GS6D)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1.44	1.59	110%	90% - 110%	0.722	0.654	90%	90% - 110%	6.09	5.95	98%	90% - 110%				



## Method Summary

CLIENT NAME: ST ANDREW GOLDFIELDS LTD

AGAT WORK ORDER: 14U885581

PROJECT: CAMAN PROJECT

ATTENTION TO: CRAIG TODD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



CLIENT NAME: ST ANDREW GOLDFIELDS LTD  
HIGHWAY 101 EAST  
MATHESON, ON P0K1N0  
(705) 567-4862

ATTENTION TO: Craig Todd

PROJECT: CAMAN PROJECT

AGAT WORK ORDER: 14U886539

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Lab Co-ordinator

DATE REPORTED: Sep 30, 2014

PAGES (INCLUDING COVER): 7

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 14U886539

PROJECT: CAMAN PROJECT

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<http://www.agatlabs.com>

CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: Craig Todd

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 10, 2014

DATE RECEIVED: Sep 09, 2014

DATE REPORTED: Sep 30, 2014

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01	Au ppm 0.001
E604634 (5788199)		5.56	0.016
E604635 (5788200)		1.44	<0.001
E604636 (5788201)		3.68	0.086
E604637 (5788202)		2.20	0.014
E604638 (5788203)		4.36	0.004
E604639 (5788204)		2.26	0.007
E604640 (5788205)		1.78	0.042
E604641 (5788206)		2.74	0.008
E604642 (5788207)		1.14	0.091
E604643 (5788208)		2.36	0.212
E604644 (5788209)		3.96	0.013
E604645 (5788210)		3.80	0.030
E604646 (5788211)		3.54	0.001
E604647 (5788212)		3.42	0.006
E604648 (5788213)		3.28	0.004
E604649 (5788214)		0.06	1.23
E604650 (5788215)		1.12	<0.001
E604651 (5788216)		2.76	<0.001
E604652 (5788217)		2.64	0.145
E604653 (5788218)		2.80	0.031
E604654 (5788219)		2.48	0.042
E604655 (5788220)		4.40	0.012
E604656 (5788221)		5.44	<0.001
E604657 (5788222)		5.92	0.002
E604658 (5788223)		4.34	0.045
E604659 (5788224)		2.78	0.040
E604660 (5788225)		2.24	0.040
E604661 (5788226)		4.36	0.004
E604662 (5788227)		4.28	0.002
E604663 (5788228)		2.42	0.001
E604664 (5788229)		2.00	<0.001

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 14U886539

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CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: Craig Todd

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 10, 2014      DATE RECEIVED: Sep 09, 2014      DATE REPORTED: Sep 30, 2014      SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
E604665 (5788230)		3.16	<0.001
E604666 (5788231)		3.86	0.003
E604667 (5788232)		1.76	0.012
E604668 (5788233)		1.88	0.001
E604669 (5788234)		4.18	0.005
E604670 (5788235)		1.84	<0.001
E604671 (5788236)		3.28	0.001
E604672 (5788237)		2.66	0.003
E604673 (5788238)		0.76	0.048
E604674 (5788239)		0.06	0.857
E604675 (5788240)		1.66	0.019
E604676 (5788241)		4.36	<0.001
E604677 (5788242)		1.82	0.002
E604678 (5788243)		3.38	<0.001
E604679 (5788244)		3.76	<0.001
E604680 (5788245)		4.62	<0.001
E604681 (5788246)		5.44	0.002
E604682 (5788247)		4.66	<0.001
E604683 (5788248)		3.62	0.003
E604684 (5788249)		3.16	0.001
E604685 (5788250)		2.94	0.002
E604686 (5788251)		3.04	0.001
E604687 (5788252)		2.02	0.002
E604688 (5788253)		3.78	<0.001
E604689 (5788254)		4.82	<0.001
E604690 (5788255)		3.82	0.001
E604691 (5788256)		1.60	0.001
E604692 (5788257)		2.44	<0.001
E604693 (5788258)		1.68	0.001
E604694 (5788259)		3.26	<0.001
E604695 (5788260)		2.30	0.005

Certified By: Y. Chen.



**AGAT** Laboratories

# Certificate of Analysis

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CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: Craig Todd

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 10, 2014

DATE RECEIVED: Sep 09, 2014

DATE REPORTED: Sep 30, 2014

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: Craig Todd

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	E604634	0.016	0.003		E604659	0.040	0.032	22.2%	E604684	0.001	0.002					



CLIENT NAME: ST ANDREW GOLDFIELDS LTD

ATTENTION TO: Craig Todd

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	CRM #1 (ref.1P5K)				CRM #2 (ref.GS6D)				CRM #3 (ref.OxE101)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1.44	1.3	90%	90% - 110%	6.09	6.22	102%	90% - 110%	0.607	0.606	100%	90% - 110%				



## Method Summary

CLIENT NAME: ST ANDREW GOLDFIELDS LTD

AGAT WORK ORDER: 14U886539

PROJECT: CAMAN PROJECT

ATTENTION TO: Craig Todd

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES