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2017 Sonic Drill Program
Assessment Report for Area A

Lincoln Township
Porcupine District, Ontario, Canada

Prepared By:

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1. INTRODUCTION

The Area A property is located approximately 50km northeast of the town of Chapleau, Ontario and covers un-patented mineral claims.

Goldcorp Borden Limited (herein called Goldcorp) contracted IOS Geoscientifique to complete a sonic drilling program on its claims located within Area A. The drill program took place throughout August, 2017 to evaluate exploration potential to the north of a gold dispersal train detected in surficial till.

The property comprises a number of claims owned 100% by Goldcorp, acquired through staking. Refer to Appendix 4 for a list of claims.

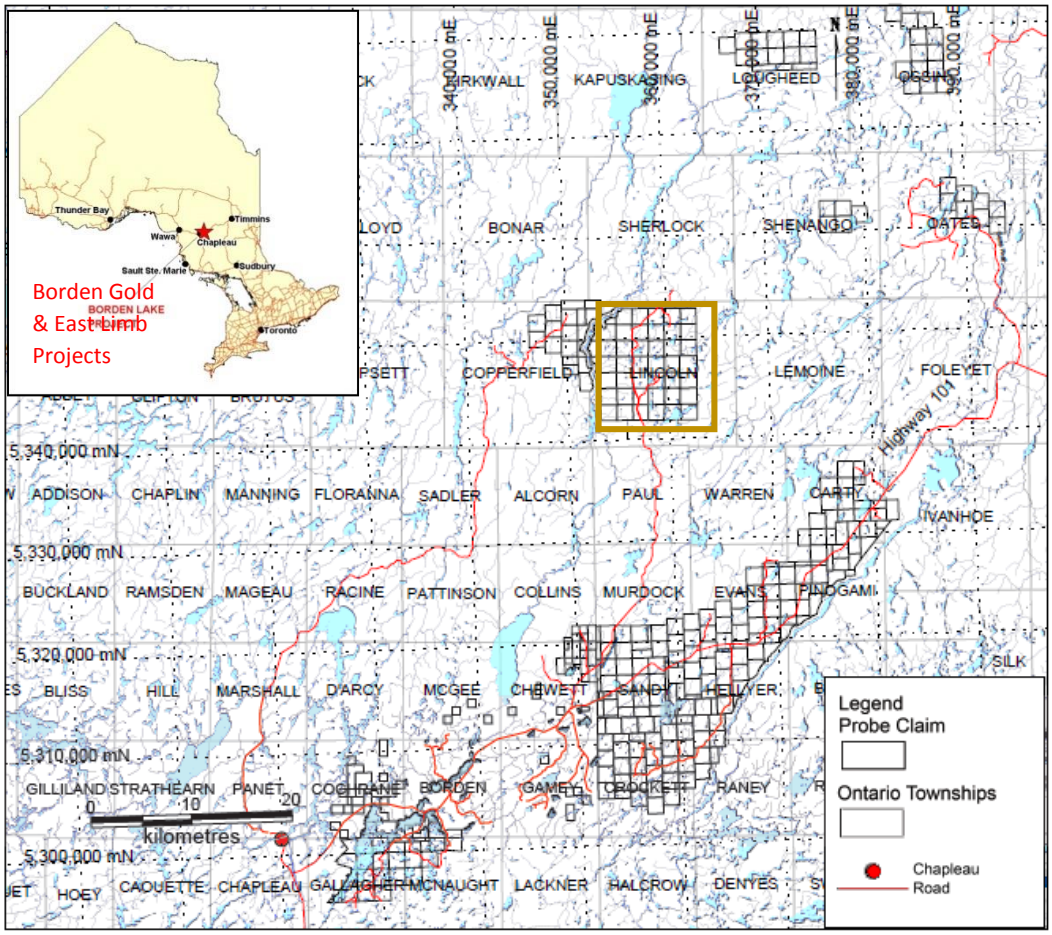
2. PROPERTY DETAILS

2.1 Location and Access

Area A is situated within the Copperfield and Lincoln townships, located in the 1:50,000 NTS topographic sheets 42B02, 42B03, 42B06 and 42B07. These claims are approximately 50km northeast of Chapleau and 35km west of Foleyet (Figure 1). The sonic drilling program took place over claims within the Lincoln Township (Figure 1), which can be accessed via Highway 101 to Nemegosenda Road.

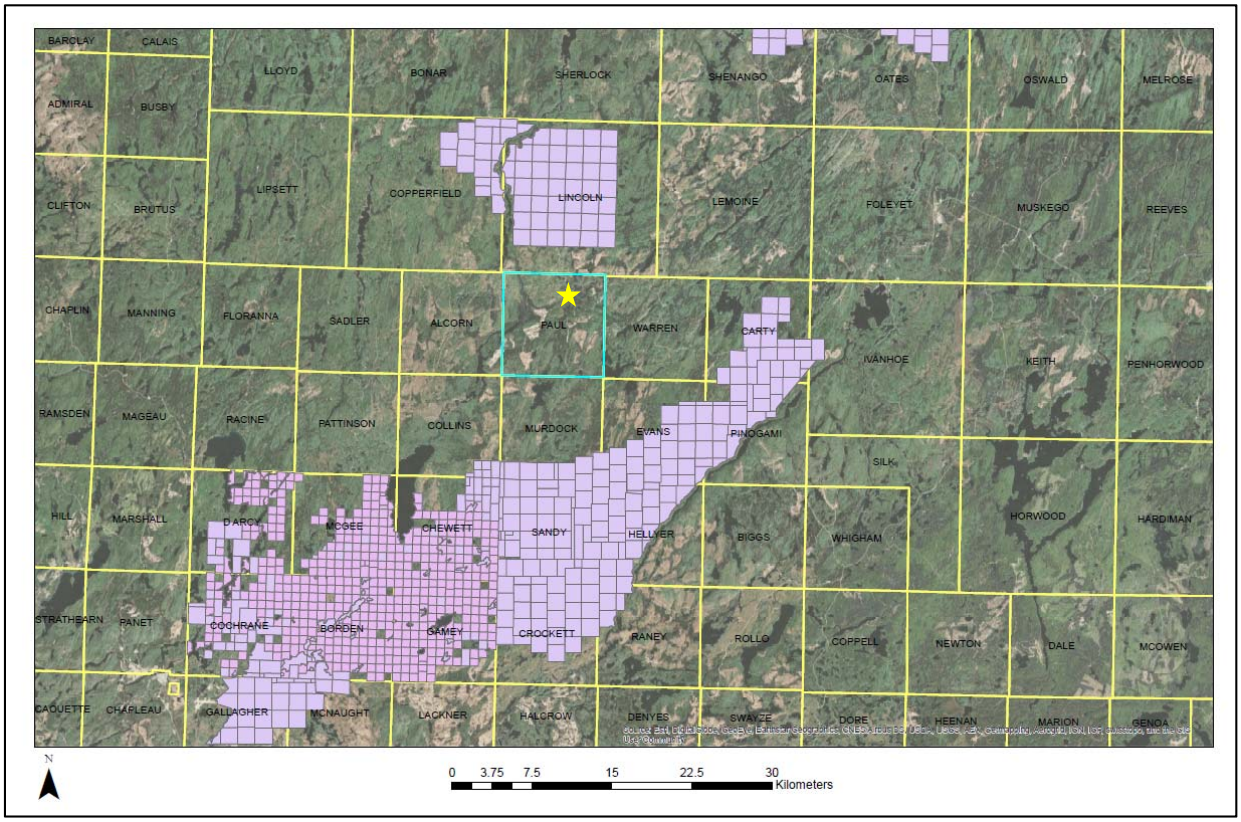
The relief of the property is gently rolling, with generally sparse outcropping. Logging in the area has left minor stands of original forest.

Figure 1. Tenure Map (Allen, 2016) with Area A outlined



The sonic drilling program was scheduled to start in February 2017, however employees attempted to visit the area in December 2016 and discovered that the only access road to the Lincoln claims was washed out (Figure 2). Goldcorp communicated with the Ministry of Natural Resources (MNR) to determine how to proceed. MNR informed Goldcorp that the area is protected for cold water spawning, and instructed Goldcorp not to use the access road. Goldcorp proceeded with a permit to repair Nemegosenda Road, which required the installation of two new culverts. The work took place in July, delaying the sonic drilling program. This required an Application to Extend the active claims, and increased the budget to include the applicable unforeseen costs. The costs related to this road repair have been included for Assessment Credit as the area was not accessible without the completed repairs as outlined by MNR.

Figure 2. Nemegosenda Road Washout



3. PREVIOUS WORK

1991-1992: Kimberlite Exploration that included heavy mineral concentrate sediment sampling, ground geophysics and glacial sediment sampling.

2001: The Ontario Geological Survey completed a high density airborne magnetic and electromagnetic survey covering the Kapuskasing-Chapleau area and the Kapuskasing Structural Zone.

2014: Probe Mines Limited (Goldcorp Borden Limited) conduced a regional exploration program. This program included prospecting, outcrop sampling, soil sampling, and till sampling.

2015: Probe Mines (Goldcorp Borden Limited) contracted IOS Geoscientifique to complete a detailed till survey over the Copperfield and Lincoln claims. A lidar survey was also conducted to assist with planning future work.

2016: Probe Mines (Goldcorp Borden Limited) completed an airborne magnetic survey on its claims.

4. GEOLOGY

4.1 Regional Geology

The Lincoln claims are located in the Superior Province, which is subdivided into lithologically distinct subprovinces. Evidence supports formation by large-scale plate interactions, with accretionary processes followed by uplift and erosion. Rocks form an east-west trending pattern of alternating terranes that range in age from 3.5Ga to about 2.6Ga.

Portions of the Wawa Subprovince, the Abitibi Subprovince, and the Kapuskasing Structural Zone underlie the Chapleau area (Thurston et al., 1977). Eastward from the Chapleau area and into Quebec, the Abitibi Subprovince hosts the Timmins-Porcupine, Kirkland Lake-Larder Lake and Cadillac gold camps in addition to the volcanogenic massive sulphide deposits near Rouyn-Noranda.

The Kapuskasing structural zone (KSZ) trends NNE, extending from James Bay south to the Chapleau area where it gradually dies out. The KSZ is characterized by a sharp increase in metamorphic grade, from predominantly greenschist and amphibolite facies to granulite facies assemblages (Thurston et al., 1977).

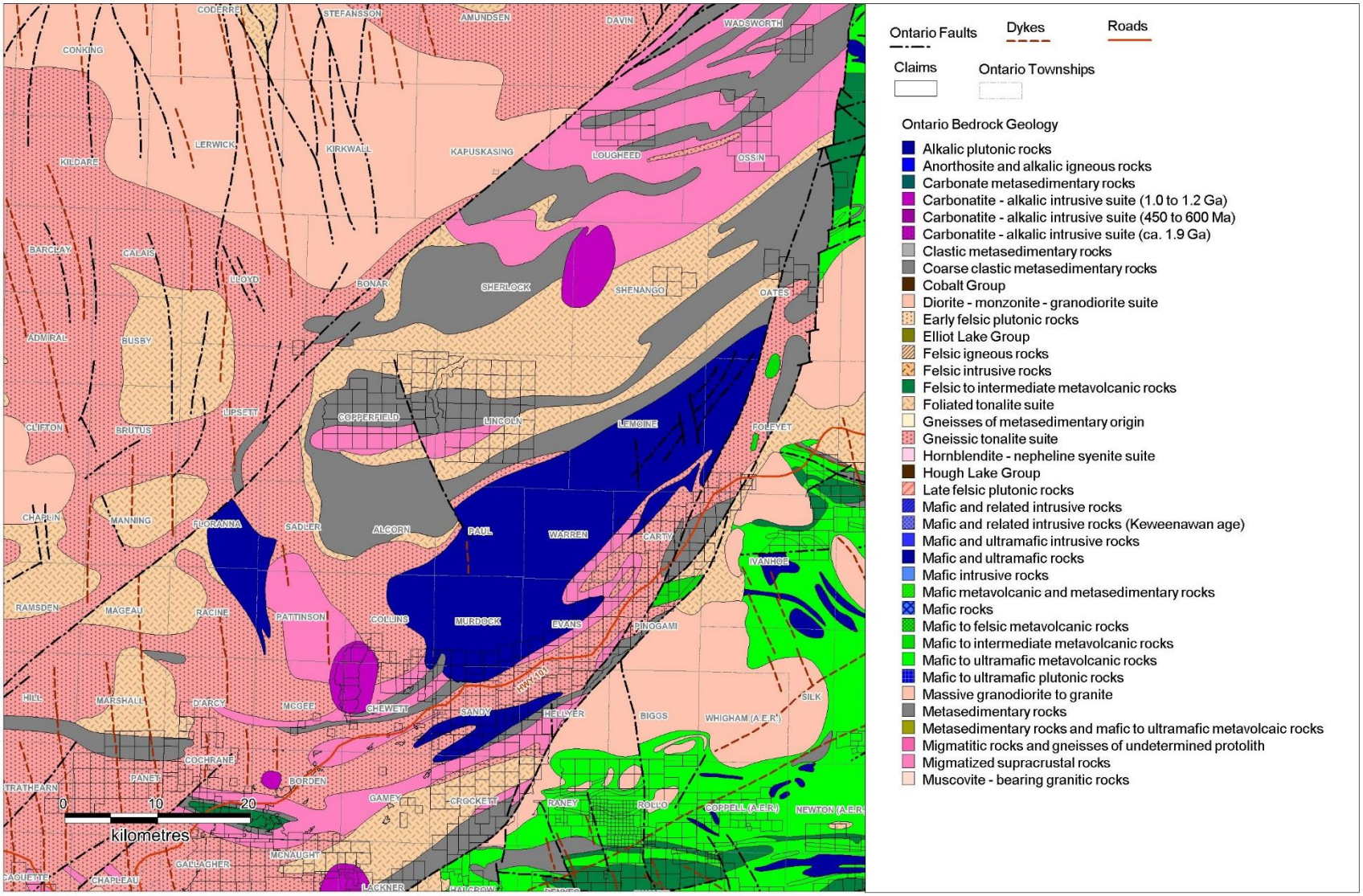
Several alkalic rocks such as carbonatite complexes along with lamprohyric dykes intruded along the KSZ, approximately 1022 to 1141 Ma ago. The carbonatite occurrences appear to display close spatial relationships with major northeast-striking shear zones. Proximal to the project area, on the northern side of the KSZ, three (3) such complexes are known to occur. These include the Borden Township carbonatite complex, the Nemegosenda Lake alkalic complex; and the Lackner Lake alkalic complex (Allan, 2016).

4.1 Property Geology

The Geology within the tenement package has been characterized by OGS work. The area has a central east-west trending clastic metasediment corridor with minor, southwestern migmatized supracrustal rocks all of which are surrounded by foliated felsic intrusives.

Exploration in 2017 encountered between 5-20 metres of quaternary till. Bedrock varied between moderately to strongly foliated units that were primarily metasediments and foliated felsic intrusives. Minor migmatite, pegmatite and mafic units were also intersected.

Figure 3. General Geology of the Southern KSZ and Area A Claim Group (Allen, 2016)



5. SONIC DRILLING PROGRAM

The sonic drilling program was supervised by IOS staff including Patrice Villeneuve, P.Geo; Jonathan Lavoie, GIT; Eric Cote; and local contractors from Chapleau. Quaternary sediment and drill core was logged by Patrice Villeneuve and Jonathan Lavoie on site in a temporary core shack south of the drilling area. Drill core was subsequently moved to the Goldcorp core shack, and was sampled by Goldcorp employee Miguel Ricardo.

The program was conducted from the town of Chapleau, approximately 1.5 hours from Area A. Staff commuted either by helicopter or by truck.

The sonic drilling program was planned to recover till and bedrock information where glaciofluvial and glaciolacustrine deposits prevent prospecting. A total of 43 holes and 1,014m were drilled as part of the August, 2017 sonic drilling program. All of these holes (detailed in Table 1) are reported for assessment credit.

Table 1. Drill hole Collar Details

Hole ID	Depth	Azimuth	Dip	Easting	Northing	Elevation	Claim	Township
AA17-00001	16.76	0	-90	356483	5350210	349	4275660	Lincoln
AA17-00002	19.81	0	-90	356314	5350185	351	4275660	Lincoln
AA17-00003A	19.81	0	-90	356114	5350239	348	4275660	Lincoln
AA17-00003B	19.81	0	-90	356113	5350240	348	4275660	Lincoln
AA17-00004A	22.14	0	-90	355868	5350233	360	4275660	Lincoln
AA17-00004B	19.81	0	-90	355868	5350234	360	4275660	Lincoln
AA17-00005A	13.72	0	-90	355710	5350277	356	4275660	Lincoln
AA17-00005B	16.46	0	-90	355710	5350279	356	4275660	Lincoln
AA17-00006	28.96	0	-90	355359	5350540	355	4275660	Lincoln
AA17-00007	22.25	0	-90	354997	5350670	355	4275660	Lincoln
AA17-00008	13.41	0	-90	356692	5349835	351	4275661	Lincoln
AA17-00009	18.29	0	-90	357012	5349609	361	4275669	Lincoln
AA17-00010	18.9	0	-90	355658	5347750	371	4275676	Lincoln
AA17-00011	31.7	0	-90	355307	5348343	359	4275668	Lincoln
AA17-00012	34.14	0	-90	355624	5348446	369	4275668	Lincoln
AA17-00013	36.6	0	-90	355859	5348276	356	4275668	Lincoln
AA17-00014	6.4	0	-90	355260	5347718	364	4275676	Lincoln
AA17-00015	28.96	0	-90	354873	5347810	360	4275675	Lincoln
AA17-00016	6.1	0	-90	354293	5347734	364	4275675	Lincoln
AA17-00017	4.57	0	-90	354150	5347638	347	4275675	Lincoln
AA17-00018	39.62	0	-90	353747	5347563	344	4275675	Lincoln
AA17-00019A	13.72	0	-90	353424	5347649	305	4275675	Lincoln
AA17-00019B	39.62	0	-90	353434	5347641	305	4275675	Lincoln
AA17-00020	30.18	0	-90	353181	5348091	358	4275674	Lincoln
AA17-00021	22.86	0	-90	352916	5348553	355	4275666	Lincoln
AA17-00022	9.14	0	-90	352824	5349134	363	4275666	Lincoln
AA17-00023	10.67	0	-90	353126	5349127	359	4275666	Lincoln
AA17-00024	11.28	0	-90	353416	5349152	335	4275667	Lincoln

AA17-00025	33.53	0	-90	355933	5347654	363	4275676	Lincoln
AA17-00026	8.53	0	-90	357372	5346612	385	4275677	Lincoln
AA17-00027	24.38	0	-90	357415	5347011	367	4275677	Lincoln
AA17-00028	26.21	0	-90	357424	5347321	372	4275677	Lincoln
AA17-00029	50.29	0	-90	357478	5347464	368	4275677	Lincoln
AA17-00030	22.86	0	-90	357000	5349241	366	4275669	Lincoln
AA17-00031	28.96	0	-90	356665	5348988	383	4275669	Lincoln
AA17-00032	28.96	0	-90	356453	5348677	357	4275668	Lincoln
AA17-00033	25.3	0	-90	356556	5348386	364	4275669	Lincoln
AA17-00034	32	0	-90	356608	5348000	369	4275677	Lincoln
AA17-00035	38.1	0	-90	356618	5347631	387	4275677	Lincoln
AA17-00036	35.05	0	-90	356490	5347262	382	4275667	Lincoln
AA17-00037	14.33	0	-90	356522	5346903	337	4275667	Lincoln
AA17-00038	26.52	0	-90	356256	5346827	395	4275676	Lincoln
AA17-00039	43.28	0	-90	355852	5346838	395	4275676	Lincoln
Total	**1013.99**							

5.1 Drilling Procedures and Recovery

A sonic drill was utilized to recover overburden as well as approximately 3m of bedrock. A continuous core barrel (3m) was inserted by vibration, allowing all the material below 1.5m to be extracted undisturbed and unwashed. The first 1.5m was recovered and described, however the loose sandy sediment was subsequently discarded. At bedrock, PQ sized drill core was extruded from the core barrel directly into polythene sausage bags.

Recovery rate was on average about 70% due primarily to terrain conditions that include thick and saturated sand with boulders. Although compact till typically had better recovery, issues occurred due to obstruction within the core barrel by boulders or pebbles. Failed attempts to recover loose or water-saturated sediments prompted a second drill hole 1 to 2 meters from the original site to obtain better recovery (AA17-00003B, AA17-00004B, AA17-00005B, AA17-00019B).

5.2 Sample Preparation and Analyses

Drill core samples are 0.3m to 0.6m in length, and whole core. Due to the condition of core (commonly broken), cutting to submit half core for analysis was not possible.

A total of 173 core samples were submitted for analysis, including 26 standards and blanks inserted for quality control.

Quaternary sediments were sampled in accordance with IOS protocol. Sampling intervals were typically 0.3m to 1.5m in length, and was primarily comprised of till. Some glaciofluvial samples were also selected if no glacial sediment was available.

6. SUMMARY OF RESULTS

No significant gold values were returned from the drill core samples. The highest assay result is 0.019 gpt from Garnet Biotite Felsic Gneiss containing 1-2% sulphide mineralization in drill hole AA17-00017.

Till samples are currently being processed. Gold grain counting results and heavy mineral concentrate analyses are pending.

Drill logs for all 43 holes are contained within Appendix 1, and vertical sections are included in Appendix 2.

7. CONCLUSIONS

The sonic drill program has provided information about the lithologies where there is little to no bedrock exposure. Although no significant gold values were identified, drill core indicates a metamorphosed volcanosedimentary assemblage with exploration potential. In addition, the quaternary sediments are dominated by glacial till overlain by glaciofluvial sediments. Results from gold grain counting and chemical analysis of heavy mineral concentrates will aid in determining the source of the gold dispersal train identified south of the sonic drilling program.

8. RECOMMENDATIONS

Area A remains an area with exploration potential. Additional exploration is recommended.

9. REFERENCES

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Moser, D.E. 1994. The geology and structure of the mid-crustal Wawa gneiss domain – a key to understanding tectonic variation with depth and time in the late Archean Abitibi-Wawa Orogen. Canadian Journal of Earth Sciences, 31: p. 1064-1080.

Percival, J.A. and West, G.F. 1994. The Kapuskasing uplift: a geological and geophysical synthesis; Canadian Journal of Earth Sciences, v.31, p.1256-1286.

Percival, J. A. and McGrath, P.H. 1986. Deep crustal structure and tectonic history of the northern Kapuskasing uplift of Ontario: an integrated petrological–geophysical study; Tectonics, v.5, no.4, p.553-572.

Thurston, P.C., 1991, Archean geology of Ontario: Introduction, in Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part I, p.73-78.

Villeneuve, P. 2017. Sonic Drilling Campaign Chapleau-Foleyet Area, Ontario.

10.LIST OF PERSONNEL

The following individuals were involved in the work performed at Area A in 2017:

Patrice Villeneuve, P. Geo	IOS Services Géoscientifiques	Chicoutimi, Québec
Jonathan Lavoie, GIT	IOS Services Géoscientifiques	Chicoutimi, Québec
Éric Côté, Logistics	OS Services Géoscientifiques	Chicoutimi, Québec
Batiste Madon, Technician	IOS Services Géoscientifiques	Chicoutimi, Québec
Anthony Sarazzin, Technician	Contractor	Chapleau, Ontario
Rodney McWatch, Technician	Contractor	Chapleau, Ontario
Ulrich Larocque, Technician	Contractor	Chapleau, Ontario
Miguel Ricardo, P. Geo	Contractor	Chapleau, Ontario

11.STATEMENT OF QUALIFICATIONS

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Canmore AB, T1W 3B2

Work Address:

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Goldcorp Canada Limited
Borden Gold Mines
(705) 864-0377
Christine.Shultis@goldcorp.com

I, Christine Shultis, hereby certify that:

1. I graduated from Lakehead University in 2012 with a M.Sc in Geology
2. I am employed as an exploration Geologist with Goldcorp Inc. and have practiced my profession for 5 years.
3. I am familiar with the Area A property and prepared this report.
4. I have no personal interest in any of the mining claims pertaining to this report.

November 1, 2017

Christine Shultis

Appendix 1. Drill Logs

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00001**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356483	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350210	Logged By 2 :	Jonathan.Lavoie
Length :	16.76	Elevation :	349	Log Start :	11-Aug-2017
Drill Start :	10-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	11-Aug-2017
Drill Completed :	10-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick very fine grained layer covering a thick diamicton layer. Bedrock reach at 13.72 m and consist of a amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**13.72**	**(OB) Overburden, ( )**								
Overburden										
13.72	**16.76**	**(DIO) Diorite, (DIOAM) Diorite with amphibole**	D74001	13.72	14.22	0.5	0.0025	ALS_FAAA		Diorite, disk.
Massive diorite with very weak foliation. Typical mechanical fractures creating disking because of release of high in-situ stress. Locally completely grinded into coarse sand. END OF HOLE = 16.76 m. MR m-cg amphibole phenocrysts and mainly f-mg feldspar groundmass, diorite. Weak to mod foliation, amphiboles display patchy, minor orientation. Selected grey_green colour and FCG grain size as originally empty.			D74002	14.22	14.72	0.5	0.0025	ALS_FAAA		Diorite
			D74003	14.72	15.22	0.5	0.0025	ALS_FAAA		Diorite. Box has sample tags at 16m not 15.22m, which was original depth in acQuire. But sample was closer to 0.5m vs. 1.27m.
			D74004	16	16.42	0.42	0.0025	ALS_FAAA		Diorite. Orignally entered 15.22-15.72m but tags at 16-16.42m.
			D74005	16.42	16.76	0.34	0.0025	ALS_FAAA		

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00002**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356314	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350185	Logged By 2 :	Jonathan.Lavoie
Length :	19.81	Elevation :	351	Log Start :	12-Aug-2017
Drill Start :	10-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	12-Aug-2017
Drill Completed :	11-Aug-2017	Township :	Lincoln	Re-Logged By :	Jonathan.Lavoie
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	31-Aug-2017
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick layers of fine grained and silt covering a diamicton with a sandy matrix. Several boulder were recovered in gravel and pebble size. Bedrock have never been reached. Drilling problem. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**19.81**	**(OB) Overburden, ( )**								
		Thick fine grained sand alternating with silt. Several boulder were recovered in gravel and pebble size. Bedrock have never been reached. Drilling problem. END OF HOLE @ 19.81 -								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00003A**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356114	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350239	Logged By 2 :	Jonathan.Lavoie
Length :	19.81	Elevation :	348	Log Start :	13-Aug-2017
Drill Start :	11-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	13-Aug-2017
Drill Completed :	12-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick fine grained sand cover by a very thick diamicton that sits on a relatively thin silt layer and the bedrock. It has been reach at 17.11 m and consist of several disk of amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**17.11**	**(OB) Overburden, ( )**								
Overburden intercepted by few boulders.										
17.11	**19.81**	**(AMPG) Amphibole Felsic Gneiss, ( )**	D74007	19.16	19.46	0.3	0.007	ALS_FAAA		Core in several pieces. Amphibole felsic gneiss.
Contain about 20-230% amphiboles of irregular shapes. END OF HOLE = 19.31 m. MR correct amphibole to 20-30%, probably closer to 45-55%, FMG to FCG and EOH at 19.81m. Appears much closer to an AMP-AMPG unit.			D74008	19.46	19.81	0.35	0.008	ALS_FAAA		Core in several pieces. Amphibole felsic gneiss.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00003B**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356113	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350240	Logged By 2 :	Jonathan.Lavoie
Length :	19.81	Elevation :	348	Log Start :	11-Aug-2017
Drill Start :	12-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	11-Aug-2017
Drill Completed :	12-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Second attempt of AA17-00003A, no recover until 16.76 m, diamicton and a boulder of a amphibole felsic gneiss were encountered. Bedrock probably not reach.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**16.76**	**(OB) Overburden, ( )**								
16.76	**17.06**	**(AMPG) Amphibole Felsic Gneiss, ( )**								
17.06	**19.31**	**(OB) Overburden, ( )**								
19.31	**19.81**	**(AMPG) Amphibole Felsic Gneiss, ( )**								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00004**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355868	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350233	Logged By 2 :	Jonathan.Lavoie
Length :	22.14	Elevation :	360	Log Start :	14-Aug-2017
Drill Start :	12-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	14-Aug-2017
Drill Completed :	13-Aug-2017	Township :	Lincoln	Re-Logged By :	Jonathan.Lavoie
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	31-Aug-2017
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating fine grained sand with medium grained size sand covering diamicton with fine grained matrix. Few boulders were intercepted but problems happened while drilling. Pipes were broken or stuck in the hole. Bedrock never reached. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**19.40**	**(OB) Overburden, ( )**								
		Alternating very fine and fine grained sand covering a diamicton with fine grained matrix.								
19.40	**22.14**	**(AMPG) Amphibole Felsic Gneiss, ( )**								
		Light grey to green amphibole biotite felsic gneiss boulder mix with drill cutting. Not magnetic. Moderate to strongly foliated. Core recover in disk and locally crushed into powder. END OF HOLE = 22.14.								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00004B**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355868	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350234	Logged By 2 :	Jonathan.Lavoie
Length :	19.81	Elevation :	360	Log Start :	14-Aug-2017
Drill Start :	13-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	14-Aug-2017
Drill Completed :	13-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

No bedrock reovery at final depth. Hole abandoned.

From (m)	To (m)	Lithological unit	SampleID	From (m)	To (m)	Length (m)	Au (gpt)	Name	V.G.	Comments
0.00	**19.81**	**(OB) Overburden, ( )**								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00005**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355710	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350277	Logged By 2 :	Jonathan.Lavoie
Length :	13.72	Elevation :	356	Log Start :	14-Aug-2017
Drill Start :	13-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	14-Aug-2017
Drill Completed :	14-Aug-2017	Township :	Lincoln	Re-Logged By :	Jonathan.Lavoie
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	31-Aug-2017
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	31-Aug-2017

Comments :

Thick layer of very fine grained sand interlayered with medium grained sand and gravely sand covering a diamicton with sandy and fine matrix. Bedrock never been reached, broken casing downhole. MR quicklog. Managed to fish out casing, no material left down hole.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**13.72**	**(OB) Overburden, ( )**								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00005B**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355710	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350279	Logged By 2 :	Jonathan.Lavoie
Length :		Elevation :	356	Log Start :	15-Aug-2017
Drill Start :	14-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	15-Aug-2017
Drill Completed :	14-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	
Drill Company :	Major	Storage Location :		Re-Log Completed :	

Comments :

No bedrock recovered. Hole abandoned

From (m)	To (m)	Lithological unit	SampleID	From (m)	To (m)	Length (m)	Au (gpt)	Name	V.G.	Comments
0.00	**16.46**	**(OB) Overburden, ( )**								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00006**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355359	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350540	Logged By 2 :	Jonathan.Lavoie
Length :	28.96	Elevation :	355	Log Start :	11-Aug-2017
Drill Start :	14-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	11-Aug-2017
Drill Completed :	16-Aug-2017	Township :	Lincoln	Re-Logged By :	Jonathan.Lavoie
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	31-Aug-2017
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	31-Aug-2017

Comments :

Very thick deposit of diamicton with sandy matrix that decreases at depth. Boulder or bedrock (?) intersected at depth. Drilling problem, parts stuck downhole, fishing of broken casing + pipe + core barrel + head of casing. MR quicklog. No magsus taken. Material left down hole, waiting on IOS to determine what was left behind.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**28.45**	**(OB) Overburden, ( )**								
		Thick layer of diamicton with sandy matrix and fine grained matrix.								
28.45	**28.96**	**(DIO) Diorite, (DIOAM) Diorite with amphibole**	D74167	28.45	28.96	0.51	0.0025	ALS_FAAA		Boulder of amphibole biotite felsic gneiss. Mg+
		Boulder (or bedrock?) of medium grained size amphibole felsic gneiss. Moderately magnetic. No obvious mineralization. MR changed from AMPG to DIOAM, weak banding seen and mostly granular texture. Changed fol from 4 to 3.								

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00007**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	354997	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5350670	Logged By 2 :	Jonathan.Lavoie
Length :	22.25	Elevation :	355	Log Start :	16-Aug-2017
Drill Start :	16-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	16-Aug-2017
Drill Completed :	16-Aug-2017	Township :	Lincoln	Re-Logged By :	Jonathan.Lavoie
Core Size :	PQ	Claim No :	4275660	Re-Log Start :	31-Aug-2017
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	31-Aug-2017

Comments :

Thin medium grained sand layer overlying two sequences of thick diamicton with sandy and fine matrix downhole interlayered with a medium grained sand and another diamicton with fine grained matrix. Bedrock probably never been reach. Casing and pipe broke and left downhole. MR quicklog. No magsus taken.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**21.65**	**(OB) Overburden, ( )** Medium grained sand covering two sequences of diamictons interlayered with a fine grained and medium grained sand.								
21.65	**22.25**	**(DIO) Diorite, (DIOAM) Diorite with amphibole** Boulder (or bedrock ?) completely recovered of drill cutting and diamicton when recover, after cleaning. It is an amphibole felsic gneiss with medium grained size. Moderately magnetic. No obvious mineralization. END OF HOLE = 22.25 m. MR change AMPG to DIOAM and modifier from blk to fol. Unit is blocky but also weak-mod foliated but mostly with granular and dioritic texture. Minor presence of amphiboles but within groundmass, not porphyritic.	D74168	21.65	22.25	0.6	0.0025	ALS_FAAA		Boulder of amphibole felsic gneiss, Mg++.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00008**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356692	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5349835	Logged By 2 :	Jonathan.Lavoie
Length :	13.41	Elevation :	351	Log Start :	17-Aug-2017
Drill Start :	16-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	17-Aug-2017
Drill Completed :	17-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275661	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick gravely sand unit overlying a diamicton with sandy matrix that sit on a diamicton with fine matrix, boulders and another diamicton with fine matrix. Bedrock reach at 12.31 m and consist of a granitic gneiss wiht traces of sulphides. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**12.31**	**(OB) Overburden, ( )**								
		Alternating gravely sand and fine grained matrix diamicton.								
12.31	**13.41**	**(DIO) Diorite, (DIOAM) Diorite with amphibole**	D74009	12.31	12.8	0.49	0.0025	ALS_FAAA		Amphibole felsic gneiss.
		Medium grained size amphibole rich gneiss with a moderate developped foliation. END OF HOLE = 13.41 m. MR dominantly f-mg felsic groundmass with m-cg amphiboles showing weak-mod foliation.	D74010	12.8	13.41	0.61	0.0025	ALS_FAAA		Amphibole felsic gneiss.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00009**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	357012	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5349609	Logged By 2 :	Jonathan.Lavoie
Length :	18.29	Elevation :	361	Log Start :	17-Aug-2017
Drill Start :	17-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	18-Aug-2017
Drill Completed :	17-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275669	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick fine grained sand layer covering a diamicton with sandy matrix, a small boulder before intersecting the bedrock consisting of an amphibole felsic gneiss. MR qucklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**12.95**	**(OB) Overburden, ( )**								
		Overburden, alternance of fine grained sand and diamicton with a sandy matrix. OB To changed from 12.08 by CShultis.								
12.95	**18.29**	**(DIO) Diorite, (DIOAM) Diorite with amphibole**	D74011	12.95	13.72	0.77	0.0025	ALS_FAAA		Amphibole felsic gneiss
		Felsic amphibole gneiss with up to 20-25% biotite fine grained quartz. Foliation at 80 TCA. END OF HOLE = 18.29 m. MR weak-mod foliation in amphibole-rich diorite, dominantly f-mg with minor cg amphiboles and felsic.	D74013	13.9	14.55	0.65	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74014	14.55	15.24	0.69	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74015	16.1	16.76	0.66	0.0025	ALS_FAAA		Amphibole felsic gneiss.
			D74016	16.76	17.06	0.3	0.0025	ALS_FAAA		
			D74017	17.6	18.29	0.69	0.0025	ALS_FAAA		

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00010**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355658	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347750	Logged By 2 :	Jonathan.Lavoie
Length :	18.9	Elevation :	371	Log Start :	18-Aug-2017
Drill Start :	18-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	19-Aug-2017
Drill Completed :	18-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275676	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Fine grained sand covering a thick silt layer and a diamicton with sandy matrix. Underneath it lay a relatively thick gravely sand covering a diamicton with a fine matrix. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**14.55**	**(OB) Overburden, ( )**								
		Alternance of gravely sand, silt and diamicton.								
14.55	**18.90**	**(FGS) Felsic Gneiss Sedimentary, ( )**	D74019	14.55	14.85	0.3	0.0025	ALS_FAAA		Biotite felsic gneiss
		Medium grained biotite felsic gneiss with locally varying amount of amphibole. Strongly foliated. No obvious mineralization. Material were recovered in several disk. END OF HOLE = 18.90 m. MR dominantly grey FGS with patchy, min-strong amphibolite-mafic bands, highest content between 15.88-16.76m.	D74020	14.85	15.24	0.39	0.0025	ALS_FAAA		Biotite felsic gneiss
			D74021	15.88	16.37	0.49	0.0025	ALS_FAAA		Biotite felsic gneiss
			D74022	16.37	16.76	0.39	0.0025	ALS_FAAA		Biotite felsic gneiss
			D74023	16.91	17.21	0.3	0.0025	ALS_FAAA		Biotite felsic gneiss
			D74024	17.76	18.29	0.53	0.0025	ALS_FAAA		Biotite felsic gneiss
			D74025	18.6	18.9	0.3	0.0025	ALS_FAAA		Biotite felsic gneiss

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00011**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355307	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348343	Logged By 2 :	Jonathan.Lavoie
Length :	31.7	Elevation :	359	Log Start :	19-Aug-2017
Drill Start :	18-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	19-Aug-2017
Drill Completed :	19-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275668	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Medium grained sand overlying a finer grained sand and silt layer that cover another similar sequence that sits over the diamicton with a sandy matrix. Bedrock was reach at 28.8 m and consist of granitic gneiss (FGG). MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**28.76**	**(OB) Overburden, ( )** Alternance of fine grained sand, clayey silt and thin layer of sandy diamicton mix with drill cutting.								
28.76	**31.70**	**(DIO) Diorite, (DIOAM) Diorite with amphibole** Fine to medium grained size granitic gneiss composed of K-feldspar, quartz, biotite, amphiboles and chlorite. Contain up to 1% mineralization. Core is recovered in several pieces. END OF HOLE = 31.70 m. MR changed from FGG to DIO AM as unit contains potassic alteration but no muscovite, sillimanite, partial melting or pegmatites. Moderate strain but still dioritic.	D74027	29.33	30.18	0.85	0.0025	ALS_FAAA		Felsic gneiss with 1% PyPo
			D74028	31.05	31.35	0.3	0.0025	ALS_FAAA		Felsic gneiss with 1% PyPo
			D74029	31.35	31.7	0.35	0.0025	ALS_FAAA		Felsic gneiss with 1% PyPo.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00012**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355624	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348446	Logged By 2 :	Jonathan.Lavoie
Length :	34.14	Elevation :	369	Log Start :	20-Aug-2017
Drill Start :	18-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	20-Aug-2017
Drill Completed :	19-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275668	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Several sequences of very thick fine grained sand layer covering a thin silt layer until 22.86 m where a very thick silt layer were encountered. Diamicton with fine grained matrix cover a granitic gneiss and pegmatite. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**32.48**	**(OB) Overburden, ( )** Alternance of fine grained sand, clayey silt and a thin diamicton with a fine matrix layer overlying the bedrock.								
32.48	**32.90**	**(FGS) Felsic Gneiss Sedimentary, ( )** Medium grained size granitic gneiss. Weak to moderate foliation. MR changed to FGS with min-mod amphibole content/porphyroblasts.	D74034	32.48	32.9	0.42	0.0025	ALS_FAAA		Granitic gneiss. MR changed to FGS
32.90	**34.14**	**(PEG) Pegmatite, ( )** Massive and relatively typical homogeneous pegmatite compose of K-feldspar, plagioclase, quartz and fine to medium grained amphiboles. No mineralization. EOH=34.14m	D74035	32.9	33.2	0.3	0.0025	ALS_FAAA		Pegmatite
			D74036	33.2	33.53	0.33	0.0025	ALS_FAAA		Pegmatite
			D74037	33.53	33.84	0.31	0.0025	ALS_FAAA		Pegmatite
			D74039	33.84	34.14	0.3	0.0025	ALS_FAAA		Pegmatite

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00013**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355859	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348276	Logged By 2 :	Jonathan.Lavoie
Length :	36.6	Elevation :	356	Log Start :	20-Aug-2017
Drill Start :	19-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	20-Aug-2017
Drill Completed :	19-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275668	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternance of thick fine grained sand deposit with thinner silt layer that cover a relatively thick medium grained sand. Diamicton with fine matrix is covering the bedrock at 35.36 m which consist of an altered granitic gneiss and an amphibolite. Core recover in pieces. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**35.36**	**(OB) Overburden, ( )** Alternance of frine grained sand, clayey silt and a possible diamicton mix with drill cutting at bedrock .								
35.36	**36.60**	**(FGS, AMP) Felsic Gneiss Sedimentary, Amphibolite, ( )** Core completely recovered in cm to dm pieces. Felsic granitic gneiss with a moderate foliation intercepted at 80 TCA. Weak to moderate potassic alteration and epidotization. No mineralization. END OF HOLE = 36.58 m. MR changed from FGG to FGS, dominantly felsic background and min-mod amphiboles and deformation. Band of dark green, mainly amphibole, mg amphibolite at the centre of the interval.	D74030	35.36	35.97	0.61	0.0025	ALS_FAAA		Core in pieces, FGG and amphibolite. Potassic alteration.
			D74031	35.97	36.3	0.33	0.018	ALS_FAAA		Core in pieces, FGG and amphibolite. Potassic alteration.
			D74033	36.3	36.6	0.3	0.0025	ALS_FAAA		Core in pieces, FGG and amphibolite. Potassic alteration. End of sample at 36.58m, EOH.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00014**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355260	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347718	Logged By 2 :	Jonathan.Lavoie
Length :	6.4	Elevation :	364	Log Start :	21-Aug-2017
Drill Start :	19-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	21-Aug-2017
Drill Completed :	20-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275676	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thin fine grained sand covering a diamicton with sandy matrix. Bedrock was reach at 5.13 m and consist of dioritic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**3.13**	**(OB) Overburden, ( )**								
Sand and diamicton with a sandy matrix.										
3.13	**6.40**	**(FGS) Felsic Gneiss Sedimentary, ( )**	D74040	3.13	3.73	0.6	0.0025	ALS_FAAA		
Medium grained and foliated diorite to granodiorite gneiss. No obvious mineralization. Few fractures are filled by carbonate. Locally contain cm thick vein of pegmatite. END OF HOLE = 6.40 m. MR changed from DIOAM to FGS, moderately-strongly foliated FGS with min-mod elongated foliated biotite.			D74041	3.73	4.57	0.84	0.0025	ALS_FAAA		
			D74042	5	5.3	0.3	0.0025	ALS_FAAA		
			D74043	6	6.4	0.4	0.0025	ALS_FAAA		

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00015**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	354873	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347810	Logged By 2 :	Jonathan.Lavoie
Length :	28.96	Elevation :	360	Log Start :	21-Aug-2017
Drill Start :	20-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	21-Aug-2017
Drill Completed :	20-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275675	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Several sequences of thick fine grained sand over a thick silt layer that sits on a thin gravely sand over the bedrock. Bedrock reached at 26.71 m and consist of a granodiorite to diorite. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**26.60**	**(OB) Overburden, ( )** Fine grained sand overlying a thick clayey silt layer.								
26.60	**28.96**	**(DIO) Diorite, (DIOUNO) Diorite to granodiorite unit** Dark to pale grey foliated et deformed diorite to granodiorite of fine to medium grained size. Probably mix with a gravely sand layer from above (fallout). Weakly magnetic. No obvious mineralization. END OF HOLE = 28.96 m. MR weak-mod foliated DIOUN.	D74044	26.71	27.01	0.3	0.0025	ALS_FAAA		Foliated and deformed granodiorite.
			D74045	27.01	27.41	0.4	0.0025	ALS_FAAA		Foliated and deformed granodiorite in pulverized/rock powder.
			D74047	27.41	27.71	0.3	0.0025	ALS_FAAA		Foliated and deformed granodiorite in pulverized/rock powder.
			D74048	27.71	28.01	0.3	0.0025	ALS_FAAA		Foliated and deformed granodiorite.
			D74049	28.01	28.41	0.4	0.0025	ALS_FAAA		Foliated and deformed granodiorite mix with gravely sand fallout from layer above 26.71m.
			D74050	28.41	28.96	0.55	0.0025	ALS_FAAA		Foliated and deformed granodiorite mix with gravely sand fallout from layer above 26.71m.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00016**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	354293	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347734	Logged By 2 :	Jonathan.Lavoie
Length :	6.1	Elevation :	364	Log Start :	21-Aug-2017
Drill Start :	20-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	21-Aug-2017
Drill Completed :	20-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275675	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating fine grained sand and silty sand overlying diabase at 4.57 m. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**4.57**	**(OB) Overburden, ( )** Silty sand, gravely sand								
4.57	**6.10**	**(DIA) Diabase Dike, ( )** Massive magnetic diabase with typical fine phenocryst of plagioclase. Contain small cm thick quartz-carboante veinlet. MR delete porphyritic texture and change massive from 2 to 5. EOH=6.10m	D74051	4.86	5.46	0.6	0.0025	ALS_FAAA		Diabase
			D74053	5.46	6.1	0.64	0.0025	ALS_FAAA		Diabase

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00017**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	354150	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347638	Logged By 2 :	Jonathan.Lavoie
Length :	4.57	Elevation :	347	Log Start :	22-Aug-2017
Drill Start :	20-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	22-Aug-2017
Drill Completed :	20-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275675	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thin medium grained sand layer overlying bedrock of a mineralized garnet biotite felsic gneiss at 3.05 m. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**3.05**	**(OB) Overburden, ( )** Sand layer overlying a thin humid compact silt.								
3.05	**4.57**	**(FGS) Felsic Gneiss Sedimentary, (FGSGB) Variable Bl + garnets below the gold zone** Medium grained size garnet-biotite felsic gneiss with few veinlets of quartz-feldspar-magnetite. Also contain fracture filled by carbonate, epidote and K-feldspar. May contain alumino-silicate. MR changed from GBFG to FGSGB with trace-min f-mg garnets. EOH=4.57m	D74054	3.05	3.35	0.3	0.0025	ALS_FAAA		Garnet biotite felsic gneiss +/- K-feldspar
			D74055	3.35	3.67	0.32	0.0025	ALS_FAAA		Garnet biotite felsic gneiss +/- K-feldspar
			D74056	3.67	3.97	0.3	0.0025	ALS_FAAA		Garnet biotite felsic gneiss +/- K-feldspar
			D74057	3.97	4.27	0.3	0.008	ALS_FAAA		Garnet biotite felsic gneiss
			D74059	4.27	4.57	0.3	0.019	ALS_FAAA		Garnet biotite felsic gneiss.

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Geological Description with Assays -

Hole ID : **AA17-00018**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	353747	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347563	Logged By 2 :	Jonathan.Lavoie
Length :	39.62	Elevation :	344	Log Start :	22-Aug-2017
Drill Start :	21-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	22-Aug-2017
Drill Completed :	22-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275675	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thin fine grained sand layer covering a very thick silt layer. Underneath sits several sequences of fine to medium grained sand over the bedrock at 38.10 m that consist of biotite amphibole felsic gneiss with medium grained size. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**38.10**	**(OB) Overburden, ( )** Alternance of fine grained sand, silt, clay silt, clay of glaciolacustrine environment overlying medium to coarse sand and bedrock.								
38.10	**39.62**	**(FGS, AMP) Felsic Gneiss Sedimentary, Amphibolite, ( )** Biotite amphibole felsic gneiss with fine to medium grained size and foliated at 45-50 TCA. Affected by few mm to cm veinlets of K-feldspar, quartz, carbonates +/- epidote that are cross-cutting the FO at 25-30 TCA. Downhole intersection is also affected by cm dyke of amphibolite. End of hole is marked by a mineralized cm thick and pegmatitic quartz and K-Feldspar vein. MR changed AMP percentage to 10, AMP bands approx 5cm thick. EOH=39.62m	D74060	38.42	38.72	0.3	0.0025	ALS_FAAA		Biotite amphibole felsic gneiss + quartz-feldspar vein.
			D74061	38.72	39.02	0.3	0.0025	ALS_FAAA		Biotite amphibole felsic gneiss.
			D74062	39.02	39.32	0.3	0.0025	ALS_FAAA		Biotite amphibole felsic gneiss.
			D74063	39.32	39.62	0.3	0.0025	ALS_FAAA		Biotite amphibole felsic gneiss + QF cm vein.

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Geological Description with Assays -

Hole ID : **AA17-00019A**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	353424	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347649	Logged By 2 :	Jonathan.Lavoie
Length :	13.72	Elevation :	305	Log Start :	22-Aug-2017
Drill Start :	21-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	23-Aug-2017
Drill Completed :	21-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275675	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating fine and medium grained sand. Recovery problem due to drill bit broke at depth and been left downhole. Second attempt closeby at AA17-00019B.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**13.72**	**(OB) Overburden, ( )**								
		Gravely sand until 13.72 m. Abandonned because of drill bit lost downhole while putting down casing. Second attempt nearby on AA17-00019B. EOH=13.72m -								

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Geological Description with Assays -

Hole ID : **AA17-00019B**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	353434	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347641	Logged By 2 :	Jonathan.Lavoie
Length :	39.62	Elevation :	305	Log Start :	22-Aug-2017
Drill Start :	21-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	23-Aug-2017
Drill Completed :	21-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275675	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :
Thick sequences of gravely sand with coarse sand. Recovery generally bad. Thin diamicton with fine matrix was encountered at 37.3 m and bedrock underneath at 37.63 m. It consist of amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**13.72**	**(OB) Overburden, ( )** Material thrown away until 13.72 m. Mainly gravely sand.								
13.72	**37.63**	**(OB) Overburden, ( )** Alternance of gravely sand, medium grained sand and coarse sand overlying a thin layer of diamicton with a fine matrix and gneiss.								
37.63	**39.62**	**(FGS, AMP) Felsic Gneiss Sedimentary, Amphibolite, ( )** Light amphibole felsic gneiss of fine to medium grained size. Contain a moderate propotion of K-feldspar often associated with epidote. Foliation is moderate to strongly developped. Mineralization consist mainly in blebs of pyrite laong foliation. Also includes several small layers of 1-3 cm thick amphibolite and magnetite. Core were crushed in several pieces of pebble size. END OF HOLE = 39.62 m. MR changed AMPG, magnetic-rich, primary lith to FGS with min-mod biotite and amphiboles.	D74064	37.63	38.1	0.47	0.0025	ALS_FAAA		FGS with amphiboles
			D74065	38.1	38.4	0.3	0.0025	ALS_FAAA		FGS with amphiboles
			D74067	38.4	38.7	0.3	0.0025	ALS_FAAA		FGS with amphiboles
			D74068	38.7	39	0.3	0.0025	ALS_FAAA		FGS with amphiboles with up to 2% py
			D74069	39	39.3	0.3	0.0025	ALS_FAAA		FGS with amphiboles
			D74070	39.3	39.62	0.32	0.0025	ALS_FAAA		FGS with amphiboles

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Geological Description with Assays -

Hole ID : **AA17-00020**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	353181	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348091	Logged By 2 :	Jonathan.Lavoie
Length :	30.18	Elevation :	358	Log Start :	24-Aug-2017
Drill Start :	22-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	25-Aug-2017
Drill Completed :	22-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275674	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Complicated sequences of fine grained sand, silt, diamicton with sandy matrix and gravely sand. Three different sequences of diamicton were encountered. Bedrock reach at 27 m and consist of amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**27.00**	**(OB) Overburden, ( )** Alternating fine grained sand and gravely sand overlying two different sequencea of diamicton and a gneiss.								
27.00	**30.03**	**(DIO) Diorite, (DIOAM) Diorite with amphibole** Medium grained amphibole-biotite felsic gneiss with a moderate to strong foliation. No obvious mineralization nad not magnetic. Amphibole are often display as phenocryst elongated along foliation. Could be a giant boulder (?). MR changed from AMPG to DIOAM, rock has weak-mod foliation and slightly elongated amphibole phenocrysts crysts within feldspar groundmass.	D74071	27.98	28.58	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74073	28.58	28.88	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss, include a 2-3cm thick Qz-Am-KF vein.
			D74074	28.88	29.48	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74075	29.48	30.03	0.55	0.0025	ALS_FAAA		Amphibole felsic gneiss
30.03	**30.18**	**(OB) Overburden, ( )** Humid and compact diamicton with fine grained matrix and oxydated fragment OR consolidated cutting. If it is diamicton, the 2 m intersection above could be a big boulder. END OF HOLE = 30.18. MR could be weak fault zone within bedrock.								

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Geological Description with Assays -

Hole ID : **AA17-00021**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	352916	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348553	Logged By 2 :	Jonathan.Lavoie
Length :	22.86	Elevation :	355	Log Start :	25-Aug-2017
Drill Start :	22-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	25-Aug-2017
Drill Completed :	22-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275666	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thin fine grained sand and silt layers covering a diamicton with a sandy matrix and gravely sand. Diamicton with fine matrix encountered at bedrock interface which consist of amphibolite. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**21.60**	**(OB) Overburden, ( )** Alternating diamicton with sandy matrix, medium grained sand and one diamicton with a fine matrix at the bedrock interface. OB To changed from 21.27 by CShultis.								
21.60	**22.86**	**(AMP) Amphibolite, ( )** Medium to coarse grained amphibolite with few passage of dm thick of felsic composition. Moderately magnetic. Weak mineralization in sulphides. END OF HOLE = 22.86m. MR appears similar to AMPFW with felsic sections and amp+cpy within mafic sections. Changed from AMP 90% with FGG 10% to AMP 100%, texture from POR to BND and grain size from MCG to FCG	D74076	21.6	21.9	0.3	0.0025	ALS_FAAA		Amphibolite gneiss, 1PyPo
			D74077	21.9	22.2	0.3	0.0025	ALS_FAAA		Amphibolite gneiss, 1PyPo
			D74079	22.2	22.5	0.3	0.0025	ALS_FAAA		Amphibolite gneiss, 1PyPo
			D74080	22.5	22.86	0.36	0.0025	ALS_FAAA		Amphibolite gneiss, 1PyPo

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Geological Description with Assays -

Hole ID : **AA17-00022**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	352824	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5349134	Logged By 2 :	Jonathan.Lavoie
Length :	9.14	Elevation :	363	Log Start :	25-Aug-2017
Drill Start :	23-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	25-Aug-2017
Drill Completed :	23-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275666	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternation of fine grained sand and diamicton with sandy matrix that overlie the bedrock at 6.96 m and consist of an amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**6.96**	**(OB) Overburden, ( )** A complicated alternation of fine grained sand, diamicton with sandy matrix, coarse sand and boulder overlying the bedrock.								
6.96	**9.14**	**(FGS) Felsic Gneiss Sedimentary, ( )** Light grey and green amphibole felsic gneiss of fine to medium grained size. Moderately magnetic. No obvious mineralization. END OF HOLE = 9.14 m. MR changed from AMPG to FGS, texture from BND to POR, as amphiboles are 2-5mm phenocrysts-porphyroblasts.	D74081	6.96	7.62	0.66	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74082	7.62	7.92	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74083	7.92	8.22	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74084	8.22	8.52	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74085	8.52	8.82	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss including a cm quartz vein.
			D74087	8.82	9.14	0.32	0.0025	ALS_FAAA		Amphibole felsic gneiss

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Geological Description with Assays -

Hole ID : **AA17-00023**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	353126	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5349127	Logged By 2 :	Jonathan.Lavoie
Length :	10.67	Elevation :	359	Log Start :	26-Aug-2017
Drill Start :	23-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	26-Aug-2017
Drill Completed :	23-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275666	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Layer of sand with increasing grained size downhole until a the diamicton with sandy matrix and the bedrock at 8.17 m that consist of an amphibole felsic gneiss with up to 2% chalcopyrite. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**7.62**	**(OB) Overburden, ( )** Thin fine grained sand layer overlying relatively thick layer of diamicton with a sandy matrix and an amphibole felsic gneiss.								
7.62	**10.67**	**(FGS) Felsic Gneiss Sedimentary, ( )** Light grey to greenish and pink medium grained size amphibole bearing gneiss. Moderate foliation at 80 TCA. Contain cm thick veins of quartz-K-feldspar +/- carbonate with coarse amphibole alteration halo including magnetite and locally up to 2% chalcopyrite. END OF HOLE = 10.67 m. MR changed AMPG to FGS as unit has clasts of amphiboles and amphibole porphyroclasts similar to previous hole but with less strain, dioritic in sections.	D74088	8.17	8.77	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74089	8.77	9.07	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74090	9.07	9.37	0.3	0.016	ALS_FAAA		Amphibole felsic gneiss + vn Qz-KF 2Cp
			D74091	9.37	9.67	0.3	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74093	9.67	10.07	0.4	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74094	10.07	10.67	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss

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Geological Description with Assays -

Hole ID : **AA17-00024**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	353416	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5349152	Logged By 2 :	Jonathan.Lavoie
Length :	11.28	Elevation :	335	Log Start :	26-Aug-2017
Drill Start :	23-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	26-Aug-2017
Drill Completed :	23-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275667	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Relatively thick fine grained sand and silt sequences with a thick diamicton with a sandy matrix. Recovery not very good. Bedrock was reach at 9.75 m and consist of a biotite amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**9.75**	**(OB) Overburden, ( )** Alternated fine grained sand, clayey silt, and diamicton with sandy matrix. OB To changed from 9.45 by CShultis								
9.75	**11.28**	**(FGS) Felsic Gneiss Sedimentary, ( )** Same typical light grey and green amphibole felsic gneiss with medium grianed size. Moderately magnetic. Fractures filled by carbonate. No obvious mineralization. END OF HOLE = 11.28m. MR changed from AMPG to FGS, texture from BND to POR. and grain size from MG to FMG. Appears dioritic in sections.	D74095	9.75	10.35	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74096	10.35	10.95	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74097	10.95	11.28	0.33	0.008	ALS_FAAA		Amphibole felsic gneiss

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Geological Description with Assays -

Hole ID : **AA17-00025**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355933	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347654	Logged By 2 :	Jonathan.Lavoie
Length :	33.53	Elevation :	363	Log Start :	26-Aug-2017
Drill Start :	23-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	26-Aug-2017
Drill Completed :	23-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275676	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :
Very long sequences of alternating of very fine grained and fine grained sand covering a very thick silt layer overlying a thin diamicton with fine matrix. Bedrock reach at 31.4 m and consist of a garnet biotite felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**31.40**	**(OB) Overburden, ( )** Alternating layer of fine to medium grained sand overlying a thick layer of silt over the bedrock. Glaciolacustrine environment sequence.								
31.40	**32.00**	**(FGS) Felsic Gneiss Sedimentary, (FGSGB) Variable Bl + garnets below the gold zone** First interception of the bedrock, no water were used while drilling, material completely crushed into powder and pebbles. MR changed to FGSGB								
32.00	**33.53**	**(FGS, GBFG) Felsic Gneiss Sedimentary, Garnet Biotite Felsic Gneiss, ( )** Light to dark grey gneiss of fine to medium grained size of granodioritic composition. Strong foliation developped at 40 TCA. Affected by few cm thick quartz vein // to foliation. Weak mineralization in pyrite and magnetite, local oxydation of sulphides makes typical alteration halo. Contained up to 5% garnet porphyroblast. END OF HOLE = 33.53 m. MR changed from GBFG to FGS dominant and minor GBFG. Unit contains minor, approx 10-20% and 1-5cm, black bands, biotite and amphibole, with associated porphyroblasts of garnet but is dominantly, approx 90-80% FGS with strong foliation, possibly migmatite.	D74099	32	32.3	0.3	0.0025	ALS_FAAA		Garnet biotite felsic gneiss.
			D74100	32.3	32.6	0.3	0.0025	ALS_FAAA		Garnet biotite felsic gneiss.
			D74101	32.6	32.9	0.3	0.0025	ALS_FAAA		Garnet biotite felsic gneiss + quartz-carbonate +/- chlorite vein.
			D74102	32.9	33.2	0.3	0.0025	ALS_FAAA		Garnet biotite felsic gneiss.
			D74103	33.2	33.53	0.33	0.0025	ALS_FAAA		Garnet biotite felsic gneiss.

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Geological Description with Assays -

Hole ID : **AA17-00026**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	357372	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5346612	Logged By 2 :	Jonathan.Lavoie
Length :	8.53	Elevation :	385	Log Start :	26-Aug-2017
Drill Start :	24-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	26-Aug-2017
Drill Completed :	24-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275677	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thin medium grained sand covering a thick diamicton sequences. Bedrock reach at 7.01 m and consist of a granitic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**7.01**	**(OB) Overburden, ( )** Two different sequence of diamicton with fine grained matrix of different color. The basal one seems related to the bedrock underneath and the one above from a distal source.								
7.01	**8.53**	**(FGS) Felsic Gneiss Sedimentary, ( )** Light pink grey to green medium grained pervasively altered granitic felsic gneiss. Pervasive dissemination of pyrite and locally associated to fractures and mm thick veinlet filled by carbonate and chlorite. Core is locally in several fragment of pebble size. END OF HOLE = 8.53 m. MR changed FGG to FGS with mod-strong potassic, patchy-pervasive alteration and min-mod, patchy, f-mg amphiboles and trace-min biotite. Change colour to green_pink. Little to no muscovite or sillimanite present.	D74104	7.01	7.31	0.3	0.0025	ALS_FAAA		Altered granitic felsic gneiss
			D74105	7.31	7.61	0.3	0.0025	ALS_FAAA		Altered granitic felsic gneiss
			D74107	7.61	7.91	0.3	0.0025	ALS_FAAA		Altered granitic felsic gneiss with several fractures of carbonate and chlorite. Up to 2-3 anhedral pyrite.
			D74108	7.91	8.21	0.3	0.0025	ALS_FAAA		Altered granitic felsic gneiss with several fractures of carbonate and chlorite.
			D74109	8.21	8.53	0.32	0.0025	ALS_FAAA		Altered granitic felsic gneiss with several fractures of carbonate and chlorite.

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Geological Description with Assays -

Hole ID : **AA17-00027**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	357415	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347011	Logged By 2 :	Jonathan.Lavoie
Length :	24.38	Elevation :	367	Log Start :	27-Aug-2017
Drill Start :	24-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	27-Aug-2017
Drill Completed :	24-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275677	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick sequence of fine to medium grained sand covering a realtively thick diamicton. Bedrock reach at 22.86 m and consist of a mineralized amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**22.92**	**(OB) Overburden, ( )** Alternating a thick layer of fine to medium grained sand, silty clay and a diamicton with a fine grained matrix.								
22.92	**24.38**	**(FGS) Felsic Gneiss Sedimentary, ( )** Dark light grey to pink and green, fine to medium grained size amphibole felsic gneiss with up to 20% amphibole. Include few cm thick quartz-K-feldspar veins and veinlets // to sub// to foliation associated with up to 3% disseminations of pyrite. Strongly magnetic. Moderate to strong foliation at 65TCA. Also affected by locally pervasive to patchy epidotization. Several fractures/joints are observable at low angle 15 TCA that are filled by carbonate +/- chlorite. Core recover in several pieces. END OF HOLE = 24.38 m. MR changed from AMPG to FGS with moderate amphiboles, trace-min magnetite and kspar-rich sections-bands.	D74113	23	23.3	0.3	0.0025	ALS_FAAA		Altered amphibole felsic gneiss
			D74114	23.3	23.6	0.3	0.0025	ALS_FAAA		Altered amphibole felsic gneiss, up to 3% Py
			D74115	23.6	23.9	0.3	0.0025	ALS_FAAA		Altered amphibole felsic gneiss, up to 3% Py
			D74116	23.9	24.38	0.48	0.0025	ALS_FAAA		Altered amphibole felsic gneiss, up to 3% Py

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00028**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	357424	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347321	Logged By 2 :	Jonathan.Lavoie
Length :	26.21	Elevation :	372	Log Start :	28-Aug-2017
Drill Start :	24-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	28-Aug-2017
Drill Completed :	24-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275677	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Sequences of fine and medium grained sand covering a very thick diamicton with fine matrix. Some orgnanic matter were observed at 22.46 m. Bedrock reach at 23.77 m and consist of a granitic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**25.11**	**(OB) Overburden, ( )** Thin cover of fine to medium grained sand overlying a thick and very compact diamicton with fine grained matrix. OB To changed from 1.1m by CShultis.								
25.11	**26.21**	**(FGS) Felsic Gneiss Sedimentary, ( )** Light grey, white and pink gneiss with fine to medium grained. Contained about 2% of chloritic porphyroblast. Foliation is moderately developped at 80 TCA. Few cm thick folded band of biotite and amphibole with fold axis sub-// to core axis. Moderate to locally strongly magnetic. Mineral composition is : plagioclase, quartz, biotite K-feldspar and amphiboles. No obvious mineralization. END OF HOLE = 26.21 m. MR changed to FGS with trace biotite, dominantly felsic composition and moderate potassic alteration.	D74117	25.11	25.72	0.61	0.0025	ALS_FAAA		Felsic gneiss, moderately magnetic, include fold axis, dark black band.
			D74119	25.72	26.21	0.49	0.0025	ALS_FAAA		Felsic gneiss, strongly magnetic.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00029**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	357478	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347464	Logged By 2 :	Jonathan.Lavoie
Length :	50.29	Elevation :	368	Log Start :	28-Aug-2017
Drill Start :	24-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	28-Aug-2017
Drill Completed :	25-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275677	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Longest hole of sonic drilling campaign, very thick intersection of diamicton with a fine grained matrix overlying an altered granitic gneiss recovered into pieces. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**48.26**	**(OB) Overburden, ( )** Alternating thin fine grained sand layer with very thick diamicton with fine grained matrix.								
48.26	**50.29**	**(FGS) Felsic Gneiss Sedimentary, ( )** Dark/light green and pink biotite and ampbiole felsic gneiss with medium grained. The core were recover into pieces but several sets of fractures/joints filled by carbonate and chlorite +/- amphibole remain obvious. Moderate foliation. Moderately magnetic. Include a pinkish layer rich in K-feldspar at 49.65 m. END OF HOLE = 50.29 m. MR changed FGG to FGS, unit does not contain muscovite or sillimanite and has higher mafic content than usual FGS in bands, possibly migmatitic.	D74120	48.26	48.66	0.4	0.0025	ALS_FAAA		Granitic gneiss
			D74121	48.66	49	0.34	0.0025	ALS_FAAA		Granitic gneiss
			D74122	49	49.4	0.4	0.0025	ALS_FAAA		Granitic gneiss
			D74123	49.4	49.8	0.4	0.0025	ALS_FAAA		Granitic gneiss
			D74124	49.8	50.29	0.49	0.0025	ALS_FAAA		Granitic gneiss

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00030**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	357000	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5349241	Logged By 2 :	Jonathan.Lavoie
Length :	22.86	Elevation :	366	Log Start :	28-Aug-2017
Drill Start :	25-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	29-Aug-2017
Drill Completed :	25-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275669	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating thick layer of fine grained sand, silt and a thin layer of diamicton with a fine matrix overlying an amphibole felsic gneiss recovered in gravel to pebbles size pieces. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**21.90**	**(OB) Overburden, ( )** Alternating thick fine grained sand layer with silt and silty sand.								
21.90	**22.86**	**(FGS) Felsic Gneiss Sedimentary, ( )** Light grey to green and pink medium grained size amphibole felsic gneiss. Not magnetic. No obvious mineralization. Core recover in gravel and pebble size fragment. END OF HOLE = 22.86 m. MR changed from AMPG to FGS, texture from BND to POR due to mod amphibole porphyroblasts and fol of 3 due to weaker deformation fabric and dioritic texture.	D74125	21.9	22.5	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74127	22.5	22.86	0.36	0.0025	ALS_FAAA		Amphibole felsic gneiss

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00031**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356665	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348988	Logged By 2 :	Jonathan.Lavoie
Length :	28.96	Elevation :	383	Log Start :	29-Aug-2017
Drill Start :	25-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	29-Aug-2017
Drill Completed :	26-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275669	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick sand deposit of fine to medium grained size downhole with few silt intersection. Bedrock reach at 25.91 m, composed of a magnetic amphibole biotite felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**25.91**	**(OB) Overburden, ( )** Thick deposit of fine to medium grained sand interlayered with silt overlying a diamicton with a sandy matrix rich in gravel and pebbles and the bedrock.								
25.91	**28.96**	**(DIO) Diorite, (DIOAM) Diorite with amphibole** Dark grey to green medium grained amphibole biotite felsic gneiss. Moderate developped foliation. Moderately to locally strongly magnetic. Core recover in disk of cm to dm long. END OF HOLE = 28.96. MR changed AMPG to DIOAM, modifier from mag-fol and fol 3. Weak-mod foliated amphibole-rich diorite, not quite FGS.	D74128	26.16	26.76	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss, mg ++
			D74129	26.76	27.36	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss, mg ++
			D74130	27.36	27.96	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss, mg ++
			D74131	27.96	28.46	0.5	0.0025	ALS_FAAA		Amphibole felsic gneiss, mg ++
			D74133	28.46	28.96	0.5	0.0025	ALS_FAAA		Amphibole felsic gneiss, mg ++

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00032**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356453	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348677	Logged By 2 :	Jonathan.Lavoie
Length :	28.96	Elevation :	357	Log Start :	29-Aug-2017
Drill Start :	26-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	29-Aug-2017
Drill Completed :	26-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275668	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating thick layer of very fine to fine grained sand and silt with a thin layer of diamicton with a fine matrix. Last core run before bedrock had reovery problem, probably a boulder pushed the material downhole and washed out the diamicton. Bedrock consist of amphibole biotite felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**26.56**	**(OB) Overburden, ( )** Alternating thick layer of very fine to fine grained sand and silt overlying a thin diamicton with a fine grained matrix rich in pebbles and gravel.								
26.56	**28.96**	**(DIO) Diorite, (DIOAM) Diorite with amphibole** Dark grey to green medium grained amphibole biotite gneiss with weak quartz content (dioritic composition). Weak to moderate developped foliation, slightly more massive than previous similar unit at AA17-00031. Contained about 15-20% of amphibole phenocryst / porphyroblast. Very weakly magnetic. No obvious mineralization. Core recover in disk of cm to dm long. END OF HOLE = 28.96. MR changed to DIOAM but very close to AMPG just high felsic content in relation.	D74134	26.56	27.16	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74135	27.16	27.76	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74136	27.76	28.36	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss
			D74137	28.36	28.96	0.6	0.0025	ALS_FAAA		Amphibole felsic gneiss

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00033**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356556	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348386	Logged By 2 :	Jonathan.Lavoie
Length :	25.3	Elevation :	364	Log Start :	29-Aug-2017
Drill Start :	26-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	29-Aug-2017
Drill Completed :	26-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275669	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating fine and medium grained sand interlayered with thin silt layer overlying a relatively thick diamicton with fine grained matrix. The bedrock consist of an amphibole bearing granitic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**23.40**	**(OB) Overburden, ( )** Alternating fine and medium grained sand interlayered with silt overlying a relatively thick diamicton with a sandy matrix covering a diamicton with a fine matrix.								
23.40	**25.30**	**(DIO) Diorite, (DIOAM) Diorite with amphibole** Light grey to green and pinkish fine to medium grained size granitic gneiss with porphyroblast of amphibole elongated along the moderate foliation at 60 TCA. No obvious mineralizaiton. Moderate to locally strongly magnetic. MR changed from FGG to DIOAM, porphyritic-porphyroblastic, grain size from FMG to FCG. Close to AMPG but high felsic content. EOH=25.3m	D74139	23.4	24	0.6	0.0025	ALS_FAAA		Magnetic granitic gneiss
			D74140	24	24.6	0.6	0.0025	ALS_FAAA		Magnetic granitic gneiss
			D74141	24.6	24.9	0.3	0.0025	ALS_FAAA		Magnetic granitic gneiss
			D74142	24.9	25.3	0.4	0.005	ALS_FAAA		Magnetic granitic gneiss

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00034**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356608	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5348000	Logged By 2 :	Jonathan.Lavoie
Length :	32	Elevation :	369	Log Start :	29-Aug-2017
Drill Start :	26-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	30-Aug-2017
Drill Completed :	26-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275677	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :
Thin fine grained sand layer overlying a very thick sequences of diamicton with a sandy and fine grained matrix interlayered with a silty clay and another layer of diamicton with fine grained matrix that sits on the bedrock of biotitic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**30.00**	**(OB) Overburden, ( )** Thin fine grained sand layer overlying a very thick sequences of diamicton with a sandy and fine grained matrix interlayered with a silty clay covering a younger layer of diamicton with fine grained matrix.								
30.00	**32.00**	**(FGS) Felsic Gneiss Sedimentary, (FGSBI) FGS (10-29% BI) above or proximal to gold zone** Core recover in several cm to dm thick disk mix with drill cutting from 30 to 31.2 m and clear of cutting below. The unit consist of a dark grey to black biotite rich gneiss +/- amphibole with medium grained. Moderate foliation is developped at +/- 70 TCA. Moderately to strongly magnetic. Very weakly oxydated mineralization in sulphides associated to cm thick quartz-K-feldspar vein. END OF HOLE = 32m. MR change from AMPG to FGS-FGSBI, Texture blank from POR and fol from 3 to 4.	D74143	30	30.35	0.35	0.0025	ALS_FAAA		Biotite-amphibole gneiss felsic gneiss. MG++
			D74144	30.95	31.3	0.35	0.0025	ALS_FAAA		Biotite-amphibole gneiss felsic gneiss. MG++
			D74145	31.3	31.7	0.4	0.0025	ALS_FAAA		Biotite-amphibole gneiss felsic gneiss. MG++
			D74147	31.7	32	0.3	0.0025	ALS_FAAA		Biotite-amphibole gneiss felsic gneiss + cm VN FP-Qz + 0.5% sulphides

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00035**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356618	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347631	Logged By 2 :	Jonathan.Lavoie
Length :	38.1	Elevation :	387	Log Start :	27-Aug-2017
Drill Start :	26-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	27-Aug-2017
Drill Completed :	26-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275677	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick deposit of fine to medium grained sand interlayered with silt overlying a thin reworked diamicton with a sandy matrix rich in gravel and pebbles. Bedrock consist of cm to dm long disks of amphibole felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**36.58**	**(OB) Overburden, ( )** Thin layer of fine grained sand overlying a thick diamicton with a fine grained matrix, a silty clay and another diamicton with fine grained matrix that sits on diabase bedrock.								
36.58	**38.10**	**(DIA) Diabase Dike, ( )** Massive dark grey diabase with fine to medium grained size. No obvious mineralization. Strongly magnetic. END OF HOLE = 38.10 m. MR diabase is mod-strongly magnetic and contains minor fg, disseminated sulphides. Contains trace AMPFW-AMPG like pebbles at top of hole, possible contamination. Plag groundmass with m-cg amphiboles and minor garnets. Possible contamination.	D74110	36.85	37.45	0.6	0.005	ALS_FAAA		Diabase
			D74111	37.45	38.1	0.65	0.0025	ALS_FAAA		Diabase

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00036**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356490	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5347262	Logged By 2 :	Jonathan.Lavoie
Length :	35.05	Elevation :	382	Log Start :	30-Aug-2017
Drill Start :	26-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	30-Aug-2017
Drill Completed :	27-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275667	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick layer of fine grained sand covering a silt layer and a thick and homogeneous diamicton with a fine grained matrix that sits on a biotite rich gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**33.00**	**(OB) Overburden, ( )** Thick layer of fine grained sand covering a silt layer and a thick and homogeneous diamicton with a fine grained matrix that sits on a biotite rich gneiss.								
33.00	**35.05**	**(FGS, AMP) Felsic Gneiss Sedimentary, Amphibolite, ( )** Core recover in small gravel to pebbles size fragment of dark grey to black medium grained biotite rich gneiss +/- amphibole. Strongly magnetic. Moderate foliation developped at +/- 70 TCA. No obvious mineralization. Include few mm to cm thick veinlet of quartz-K-feldspar. END OF HOLE = 35.05 m. MR changed from AMPG to FGS with patchy AMPIN, mafic-felsic banding throughout and weakly massive in sections.	D74148	33	33.55	0.55	0.0025	ALS_FAAA		Biotite felsic gneiss, MG ++.
			D74149	33.55	34.15	0.6	0.0025	ALS_FAAA		Biotite felsic gneiss, MG ++.
			D74150	34.15	34.55	0.4	0.0025	ALS_FAAA		Biotite felsic gneiss, MG ++.
			D74151	34.55	35.05	0.5	0.0025	ALS_FAAA		Biotite felsic gneiss, MG ++.

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Geological Description with Assays -

Hole ID : **AA17-00037**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356522	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5346903	Logged By 2 :	Jonathan.Lavoie
Length :	14.33	Elevation :	337	Log Start :	30-Aug-2017
Drill Start :	27-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	30-Aug-2017
Drill Completed :	27-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275667	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternating fine grained sand and silt layer that covers a thin diamicton with a sandy matrix that sit on a boulder and the bedrock of amphibolite intercalated with amphibole-garnet felsic gneiss. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**10.90**	**(OB) Overburden, ( )**								
10.90	**11.89**	**(FGS) Felsic Gneiss Sedimentary, ( )** MR Grey and black felsic gneiss above solid, banded section of GBFG. Added FGS unit above GBFG. Changed end depth to 11.89m to accommodate sampling but actually closer to 11.62m.	D74153	10.95	11.55	0.6	0.0025	ALS_FAAA		Boulder of amphibole garnet felsic gneiss (+/- amphibolite?)
			D74154	11.55	11.89	0.34	0.0025	ALS_FAAA		Boulder of amphibole garnet felsic gneiss (+/- amphibolite?)
11.89	**12.60**	**(GBFG) Garnet Biotite Felsic Gneiss, ( )** Light grey to green amphibole-garnet felsic gneiss boulder crushed into several disk and few 5-10 cm solid core. Strongly magnetic. Small intersection of gravel and pebbles of various lithologies, most likely a washed out till while drilling between the boulder and the bedrock. MR change from depth from 10.9 to approximately 11.62m. Changed to 11.89m to accommodate sampling.								
12.60	**14.33**	**(GBFG, FGS) Garnet Biotite Felsic Gneiss, Felsic Gneiss Sedimentary, ( )** Grey and greenish fine grained garnet amphibolite alternating with a grey and white fine to medium grained biotite amphibole felsic gneiss. Moderate to strongly magnetic. Foliation is slightly more developped in the GBFG than in the AMG. Foliation plane is about 70 TCA. Mineralization occurs as dissemination of pyrite at vein of quartz-K-feldspar margin. END OF HOLE = 14.33 m. MR changed AMG to FGS, felsic banding between GBFG bands.	D74155	12.8	13.1	0.3	0.0025	ALS_FAAA		Amphibole garnet felsic gneiss (80%) + garnet bearing amphibolite (20%)
			D74156	13.1	13.55	0.45	0.0025	ALS_FAAA		Garnet bearing amphibolite +/- amphibole garnet felsic gneiss.
			D74157	13.55	13.95	0.4	0.0025	ALS_FAAA		Garnet bearing amphibolite +/- qz-fp cm vein with 3PY DI at margin

From (m)	To (m) -	Lithological unit -	SampleID	From (m)	To (m)	Length (m)	Au (gpt)	Name	V.G.	Comments
			D74159	13.95	14.33	0.38	0.0025	ALS_FAAA	-	Garnet bearing amphibolite +/- qz-fp cm vein with 3PY DI at margin.

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00038**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	356256	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5346827	Logged By 2 :	Jonathan.Lavoie
Length :	26.52	Elevation :	395	Log Start :	30-Aug-2017
Drill Start :	27-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	30-Aug-2017
Drill Completed :	27-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275676	Re-Log Start :	
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Alternated very fine to fine grained sand, silt and clay covering a relatively thoick diamicton with a sandy and fine matrix. Recovery was not optimal in the latter. Bedrock consist of alternated granitic gneiss with mafic band (Anatexie granite ?). Mineralization is up to 4% pyrite and 2% pyrrhotite. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**24.38**	**(OB) Overburden, ( )** Alternated very fine to fine grained sand covering a relatively thick diamicton with a fine matrix. However, the recovery was not good in the diamicton layer.								
24.38	**26.52**	**(FGS, AMP) Felsic Gneiss Sedimentary, Amphibolite, ( )** Light grey and white fine to medium grained granitic felsic gneiss alternated with a darker fine to medium grained amphibole-biotite bands of few cm to dm thick. Probably a result of melt segregation (anatexie granite ?). Moderate to strong developped foliation at +/- 45 TCA. Moderately magnetic to locally strong in the mafic bands. Mineralization of pyrite and pyrrhotite that are often associated to amphibole rich veinlet. END OF HOLE = 26.52 m. MR change FGG to FGS, unit does not contain muscovite or sillimanite, and AMG to AMP. Section of light green cpy with sulphides similar to what is present in AMPFW of Borden.	D74160	24.38	24.69	0.31	0.0025	ALS_FAAA		Mineralized granitic gneiss. 3PY
			D74161	24.69	25	0.31	0.0025	ALS_FAAA		Mineralized 3PY granitic gneiss. Core recover in disk.
			D74162	25	25.3	0.3	0.0025	ALS_FAAA		Mineralized granitic gneiss. 3PY2PO
			D74163	25.3	25.63	0.33	0.0025	ALS_FAAA		Mineralized granitic gneiss. 4PY2PO
			D74164	25.63	25.94	0.31	0.0025	ALS_FAAA		Mineralized granitic gneiss. 2PO2PY
			D74165	25.94	26.52	0.58	0.0025	ALS_FAAA		Mineralized granitic gneiss. 3PY2PO

Goldcorp Inc.

Geological Description with Assays -

Hole ID : **AA17-00039**
Project : Area_A

Drilling Details :		*Location Details :*		*Logging Details :*	
Azimuth :	0	Easting :	355852	Logged By :	Patrice.Villeneuve
Dip :	-90	Northing :	5346838	Logged By 2 :	Jonathan.Lavoie
Length :	43.28	Elevation :	395	Log Start :	31-Aug-2017
Drill Start :	27-Aug-2017	UTM Grid :	NAD83_UTMZ17N_GPS	Log Completed :	31-Aug-2017
Drill Completed :	27-Aug-2017	Township :	Lincoln	Re-Logged By :	
Core Size :	PQ	Claim No :	4275676	Re-Log Start :	31-Aug-2017
Drill Company :	Major	Storage Location :	Chapleau Ont	Re-Log Completed :	

Comments :

Thick alternation of very fine to fine grained sand and silt overlying a thin gravely sand and (maybe washed out ?) diamicton with a sandy matrix. Bedrock reach at 41.73 m and is composed of garnet bearing granitic gneiss and garnet-bearing ampihbolite. LAST HOLE OF CAMPAIGN. MR quicklog.

From (m)	*To (m)*	*Lithological unit*	*SampleID*	*From (m)*	*To (m)*	*Length (m)*	*Au (gpt)*	*Name*	*V.G.*	*Comments*
0.00	**41.73**	**(OB, AMPG) Overburden, Amphibole Felsic Gneiss, ( )** Thick alternation of very fine to fine grained sand and silt overlying a thin gravely sand and (maybe washed out ?) diamicton with a sandy matrix.								
41.73	**43.28**	**(GBFG, FGS) Garnet Biotite Felsic Gneiss, Felsic Gneiss Sedimentary, ( )** Light grey to pink and black fine to medium granitic biotite garnet felsic gneiss recover in small cm to dm thick disks. Include 45 cm thick from 42.15 to 42.60 m dominated by an amphibole garnet biotite felsic gneiss (+/- garnet bearing amphibolite). The GBFG is moderately magnetic as opposed to the AMPG which is strongly magnetic. Moderate to strong foliation is developped at +/- 60 TCA in both unit. Weak mineralization as dissemination of pyrrhotite with a locally typical oxydation halo. END OF HOLE = 43.28 m. MR change AMPG to FGS with texture BND to MELT. Weak melt segregation between GBFG unit and FGS unit. The FGS unit is weak-mod magnetic, stronger in dark bands, and the GBFG unit is strongly magnetic.	D74169	41.73	42.15	0.42	0.0025	ALS_FAAA		Garnet biotite granitic gneiss. Mg+
			D74170	42.15	42.45	0.3	0.0025	ALS_FAAA		Garnet bearing amphibole gneiss. Mg+++
			D74171	42.45	42.8	0.35	0.0025	ALS_FAAA		Garnet bearing amphibole gneiss. 1PO3Mg+++
			D74173	42.8	43.28	0.48	0.0025	ALS_FAAA		Garnet bearing granitic gneiss. 2PO1Mg

Appendix 2. Vertical Sections

GOLDCORP

BORDEN GOLD

350 Y

340 Y

330 Y

320 Y

310 Y

0

5

10

15

Azi: 0

Dip: -90

Claim: 4275660

0.003

0.003

0.003

0.003

0.003

16.76

AA17-00001

Scale 1:50

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

GOLDCORP

BORDEN GOLD

350 Y

340 Y

330 Y

320 Y

310 Y

0

5

10

15

Azi: 0

Dip: -90

Claim: 4275660

19.81

AA17-00002

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

5300960.0 N

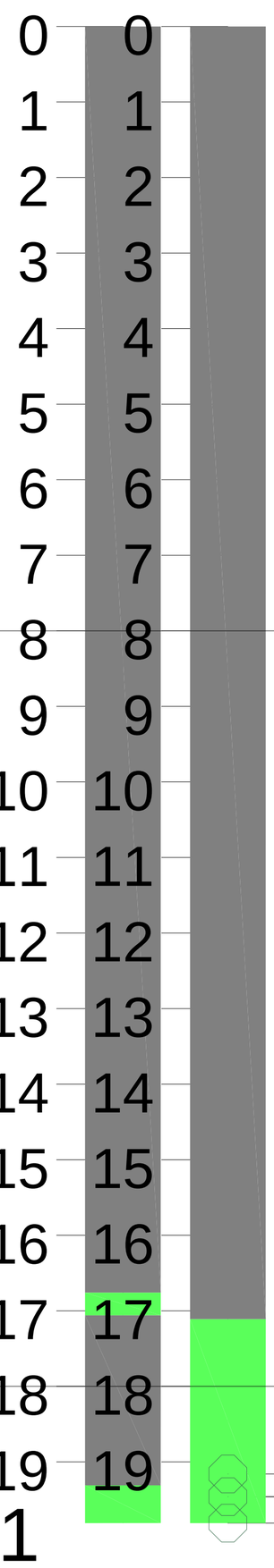
350 Y

340 Y

330 Y

320 Y

310 Y



Azi: 0

Dip: -90

Claim: 4275660

19.81

19.81

AA17-8803A

AA17-8803B

LEGEND

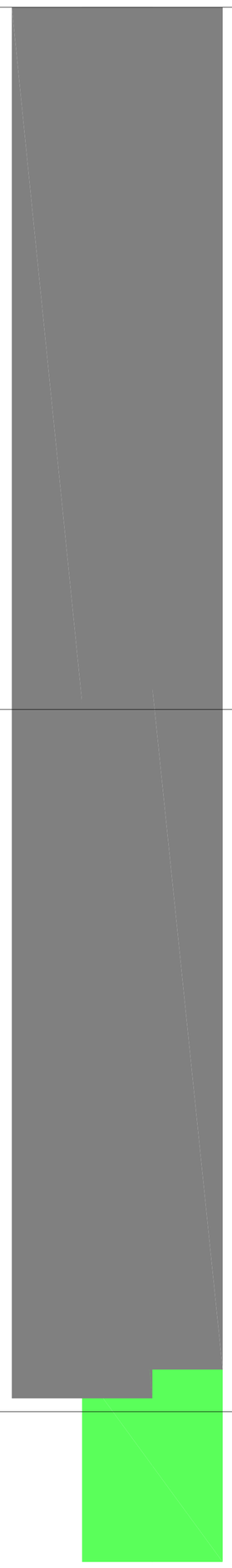
Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

360 Y



Azi: 0

Dip: -90

350 Y

Claim: 4275660

340 Y

19.81

22.14

330 Y

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

320 Y

Scale 1:50

GOLDCORP

BORDEN GOLD

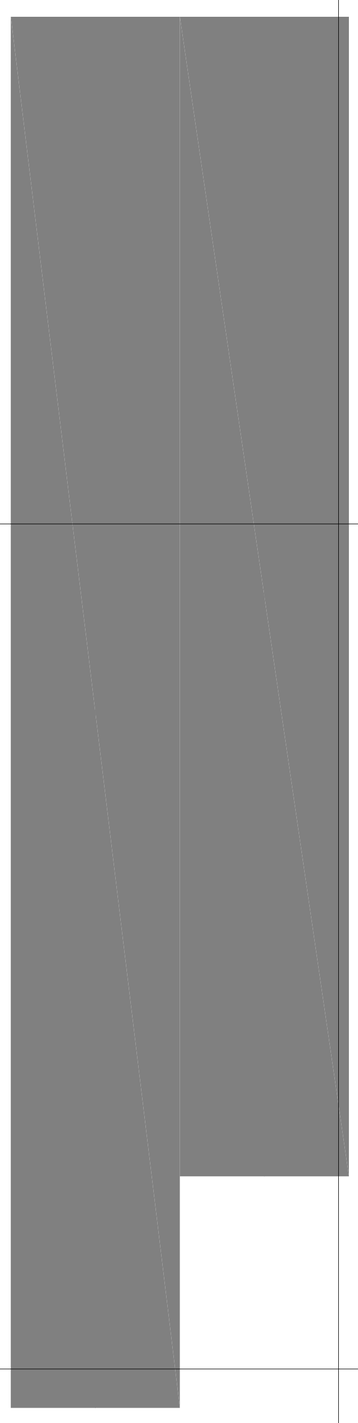
360 Y

350 Y

340 Y

330 Y

320 Y



Azi: 0

Dip: -90

Claim: 4275660

13.72

16.46

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

330880.0 E

350 Y

340 Y

330 Y

320 Y

0

5

10

15

20

25

Azi: 0

Dip: -90

Claim: 4275660

28.96

0.003

AA17-00006

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

Scale 1:50

GOLDCORP

BORDEN GOLD

5306960.0 N

350 Y

340 Y

330 Y

320 Y

0

5

10

15

20

22.25

0.003

AA17-00007

Azi: 0

Dip: -90

Claim: 4275660

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

5302650.0 N

350 Y

340 Y

330 Y

320 Y

310 Y

0

5

10

Azi: 0

Dip: -90

Claim: 4275661

13.41

0.003

0.003

AA17-0008

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

5302850.0 N

GOLDCORP

BORDEN GOLD

360 Y

350 Y

340 Y

330 Y

1110 X

1120 X

1130 X

AA17-00009

Azi: 0

Dip: -90

Claim: 4275669

0

5

10

15

0.003

0.003

0.003

0.003

0.003

0.003

18.29

Scale 1:50

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

GOLDCORP

BORDEN GOLD

Azi: 0

Dip: -90

370 Y

360 Y

350 Y

0

5

10

15

18.90

0.003

0.003

0.003

0.003

0.003

0.003

AA17-00010

Claim: 4275676

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

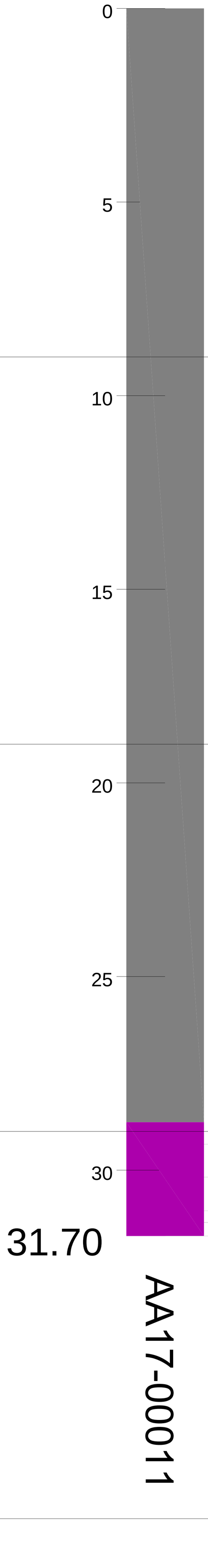
360 Y

350 Y

340 Y

330 Y

320 Y



Azi: 0

Dip: -90

Claim: 4275668

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

370 Y

360 Y

350 Y

340 Y

330 Y

GOLDCORP

BORDEN GOLD

0

5

10

15

20

25

30

Azi: 0

Dip: -90

Claim: 4275668

0.003

0.003

0.003

0.003

34.14

AA17-00012

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

Scale 1:50

5304050.0 N

GOLDCORP

BORDEN GOLD

Azi: 0

Dip: -90

Claim: 4275668

350 Y

340 Y

330 Y

320 Y

0

5

10

15

20

25

30

35

0.003

0.018

0.003

36.60

AA17-00013

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

370 Y

360 Y

350 Y

340 Y

330 Y

GOLDCORP

BORDEN GOLD

0

5

0.003

0.003

0.003

0.003

6.40

AA17-00014

Azi: 0

Dip: -90

Claim: 4275676

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

5304450.0 N

GOLDCORP

BORDEN GOLD

360 Y

350 Y

340 Y

330 Y

0

5

10

15

20

25

Azi: 0

Dip: -90

Claim: 4275675

0.003

0.003

0.003

0.003

0.003

28.96

AA17-00015

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

370 Y

5300650.0 N

GOLDCORP

BORDEN GOLD

0

Azi: 0

Dip: -90

360 Y

5

0.003

0.003

6.10

AA17-00016

Claim: 4275675

350 Y

340 Y

330 Y

-1330 X

-1320 X

-1310 X

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

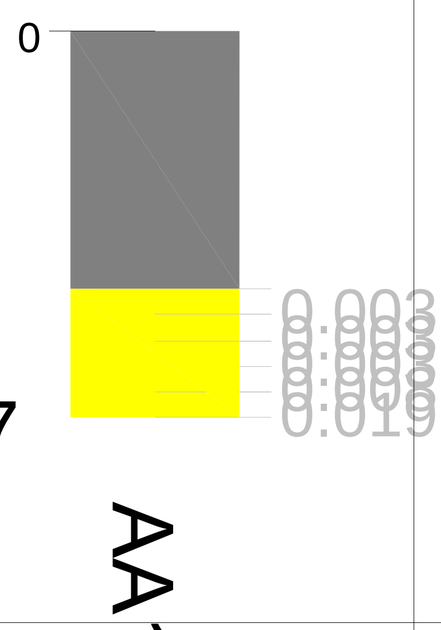
BORDEN GOLD

350 Y

340 Y

330 Y

320 Y



Azi: 0

Dip: -90

Claim: 4275675

-1470 X

-1460 X

-1450 X

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

5300150.0 N

350 Y

340 Y

330 Y

320 Y

310 Y

300 Y

290 Y

280 Y

270 Y

Azi: 0

Dip: -90

Claim: 4275675

0

5

10

15

20

25

30

35

39.62

0.003

0.003

0.003

AA17-00018

-1880 X

-1870 X

-1860 X

-1850 X

-1840 X

-1830 X

Scale 1:100

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

5299850.0 N

GOLDCORP

BORDEN GOLD

310 Y

300 Y

290 Y

280 Y

270 Y

260 Y

250 Y

240 Y

230 Y

-2200 X

-2190 X

-2180 X

-2170 X

-2160 X

0

5

10

13.72

AA17-00019A

0

5

10

15

20

25

30

35

39.62

AA17-00019B

0.003

Azi: 0

Dip: -90

Claim: 4275675

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

Scale 1:100

5304150.0 N

GOLDCORP

BORDEN GOLD

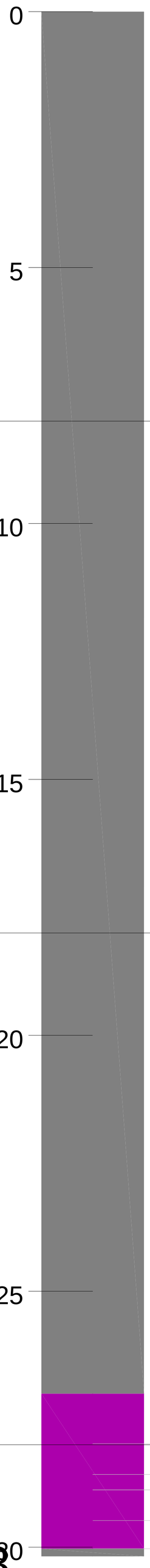
360 Y

350 Y

340 Y

330 Y

320 Y



Azi: 0

Dip: -90

Claim: 4275674

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

5303750.0 N

Azi: 0

Dip: -90

Claim: 4275666

AA17-00021

22.86

0.003

0.003

0.003

0.003

0

5

10

15

20

350 Y

340 Y

330 Y

320 Y

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50


GOLDCORP
BORDEN GOLD
5299350.0 N
Azi: 0
Dip: -90
0
5
360 Y
0.003
0.003
0.003
0.003
0.003
0.003
9.14
AA17-00022
Claim: 4275666
350 Y
340 Y
330 Y
-2780 X
-2770 X
-2760 X
LEGEND
Lithology
Overburden (OB)
Amphibolite (AMP)
Felsic Gneiss (Sedimentary) (FGS)
Felsic Gneiss (Granitic) (FGG)
Felsic Gneiss (Conglomerate) (FGC)
Amphibole Felsic Gneiss (AMPG)
Biotite Felsic Gneiss (BFG)
Garnet Biotite Felsic Gneiss (GBFG)
Pegmatite (PEG)
Quartz Feldspar Porphyry (QFP)
Diabase (DIA)
Quartz Vein (QV)
Ultramafic Dyke (UMD)
Diorite (DIO)
Assays – Au ppm
0.1– 0.25
0.25 – 0.5
0.5 – 1.0
1.0 – 2.0
2.0 – 3.5
3.5 – 10.0
>= 10.0
Scale 1:50


GOLDCORP
BORDEN GOLD
360 Y
350 Y
340 Y
330 Y
320 Y
0
5
10
10.67
Azi: 0
Dip: -90
0.003
0.003
Claim: 4275666
AA17-00023
-2480 X
-2470 X
LEGEND
Lithology
Overburden (OB)
Amphibolite (AMP)
Felsic Gneiss (Sedimentary) (FGS)
Felsic Gneiss (Granitic) (FGG)
Felsic Gneiss (Conglomerate) (FGC)
Amphibole Felsic Gneiss (AMPG)
Biotite Felsic Gneiss (BFG)
Garnet Biotite Felsic Gneiss (GBFG)
Pegmatite (PEG)
Quartz Feldspar Porphyry (QFP)
Diabase (DIA)
Quartz Vein (QV)
Ultramafic Dyke (UMD)
Diorite (DIO)
Assays – Au ppm
0.1– 0.25
0.25 – 0.5
0.5 – 1.0
1.0 – 2.0
2.0 – 3.5
3.5 – 10.0
>= 10.0
Scale 1:50

5299850.0 N

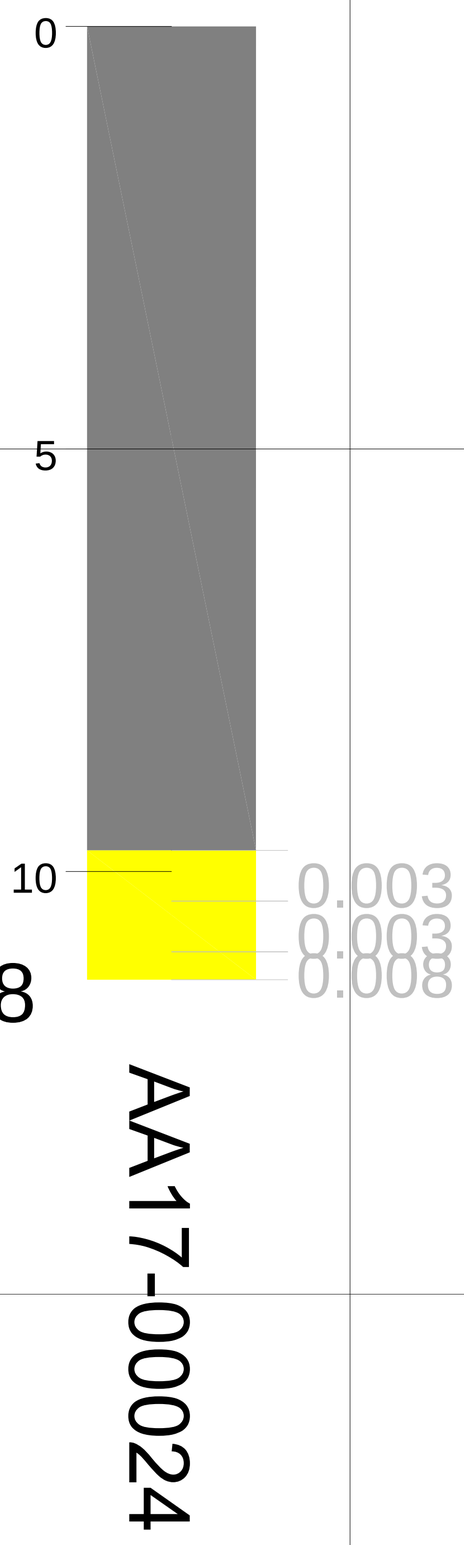
GOLDCORP

BORDEN GOLD

Azi: 0

Dip: -90

330 Y



Claim: 4275667

11.28

AA17-0002024

320 Y

310 Y

300 Y

-2200 X

-2190 X

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

Scale 1:50

5302150.0 N

GOLDCORP

BORDEN GOLD

360 Y

350 Y

340 Y

330 Y

0

5

10

15

20

25

30

Azi: 0

Dip: -90

Claim: 4275676

0.003

0.003

0.003

0.003

0.003

33.53

AA17-00025

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

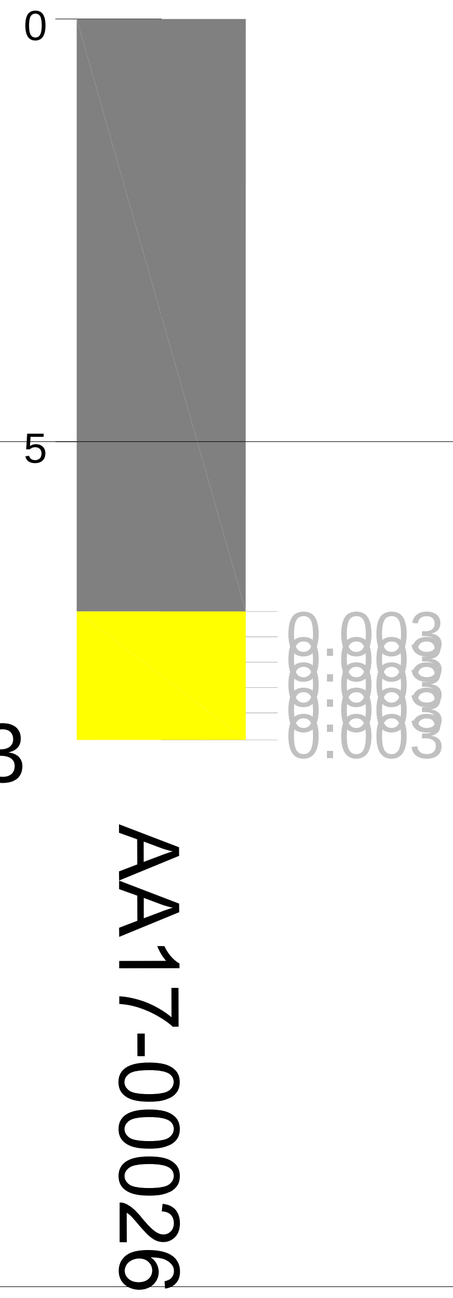
390 Y

380 Y

370 Y

360 Y

350 Y



Azi: 0

Dip: -90

Claim: 4275677

4110 X

4120 X

4130 X

Scale 1:50

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

GOLDCORP

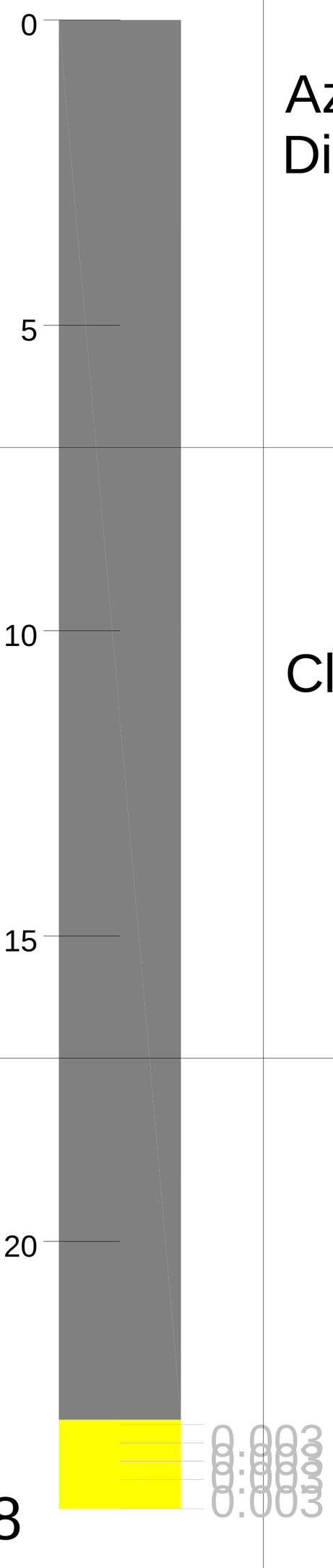
BORDEN GOLD

370 Y

360 Y

350 Y

340 Y



Azi: 0

Dip: -90

Claim: 4275677

AA17-00027

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

5304950.0 N

GOLDCORP

BORDEN GOLD

370 Y

360 Y

350 Y

340 Y

0

5

10

15

20

25

0.003

0.003

26.21

AA17-00028

Azi: 0

Dip: -90

Claim: 4275677

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

5303550.0 N

331780.0 E

GOLDCORP

BORDEN GOLD

370 Y

360 Y

350 Y

340 Y

330 Y

320 Y

310 Y

300 Y

1850 X

1860 X

1870 X

1880 X

1890 X

1900 X

0

5

10

15

20

25

30

35

40

45

50

Azi: 0

Dip: -90

Claim: 4275677

50.29

0.003

BLK

AA17-00029

Scale 1:100

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

GOLDCORP

BORDEN GOLD

331580.0 E

Azi: 0

Dip: -90

Claim: 4275669

360 Y

350 Y

340 Y

330 Y

0

5

10

15

20

22.86

0.003

0.003

AA17-00030

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

Azi: 0

Dip: -90

Claim: 4275669

380 Y

370 Y

360 Y

350 Y

0

5

10

15

20

25

0.003

0.003

0.003

0.003

0.003

28.96

AA17-00031

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

360 Y

GOLDCORP

BORDEN GOLD

0

Azi: 0

Dip: -90

5

350 Y

10

Claim: 4275668

15

340 Y

20

25

330 Y

0.003

0.003

0.003

0.003

28.96

AA17-00032

320 Y

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

331380.0 E

GOLDCORP

BORDEN GOLD

Azi: 0

Dip: -90

Claim: 4275669

360 Y

350 Y

340 Y

330 Y

0

5

10

15

20

25

25.30

0.003

0.003

0.003

0.005

AA17-00033

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

370 Y

360 Y

350 Y

340 Y

330 Y

0

5

10

15

20

25

30

Azi: 0

Dip: -90

Claim: 4275677

0.003

0.003

0.003

0.003

32.00

AA17-0034

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

5302750.0 N

390 Y

380 Y

370 Y

360 Y

350 Y

340 Y

330 Y

320 Y

310 Y

990 X

1000 X

1010 X

1020 X

1030 X

1040 X

0

5

10

15

20

25

30

35

38.10

0.005

0.003

AA17-00035

Azi: 0

Dip: -90

Claim: 4275677

Scale 1:100

LEGEND

Lithology

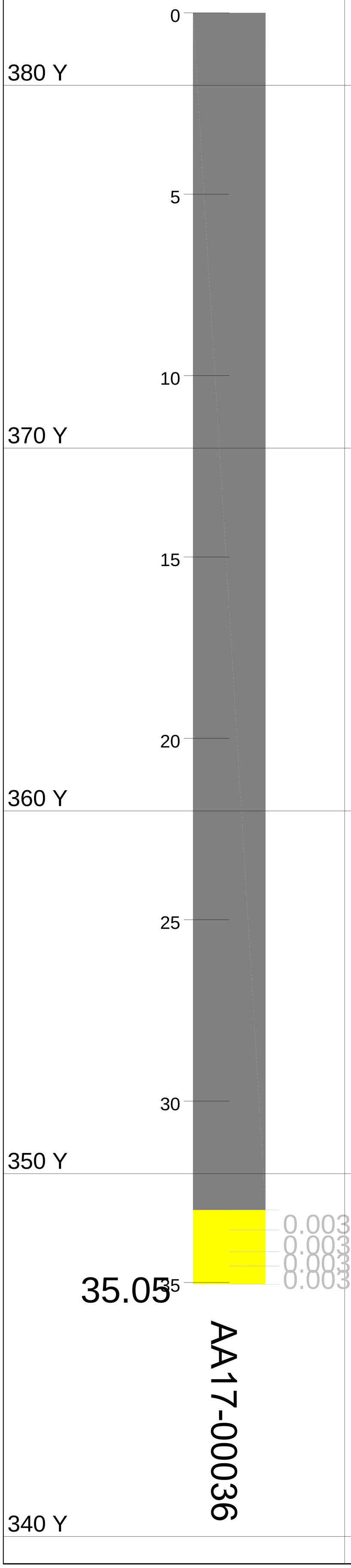
- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

GOLDCORP

BORDEN GOLD



380 Y

370 Y

360 Y

350 Y

340 Y

Azi: 0

Dip: -90

Claim: 4275667

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

340 Y

330 Y

320 Y

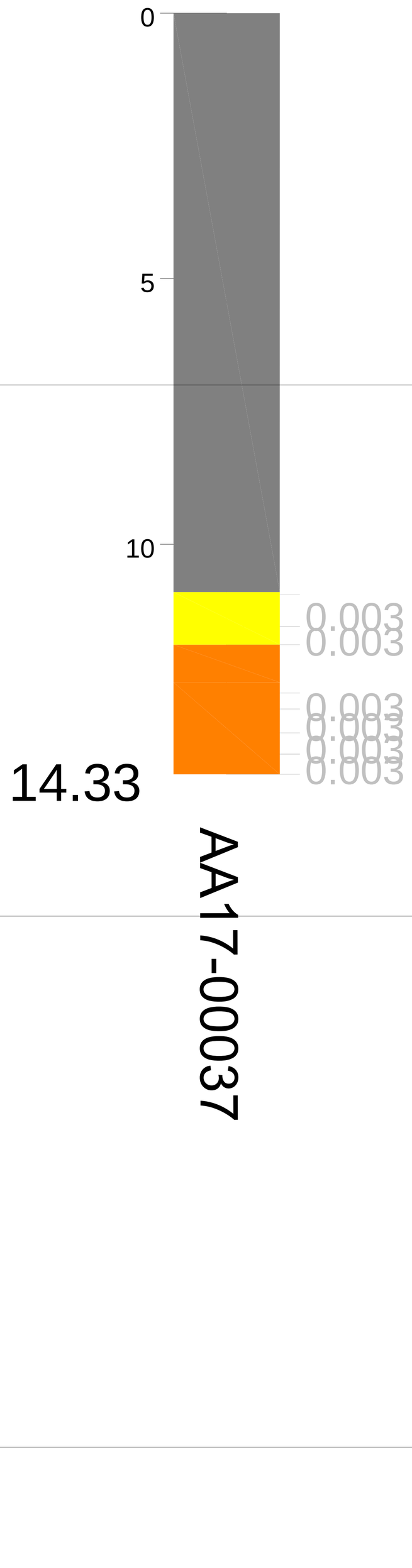
310 Y

300 Y

3800 X

3810 X

3820 X



Azi: 0

Dip: -90

Claim: 4275667

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

400 Y

390 Y

380 Y

370 Y

360 Y

0

5

10

15

20

25

Azi: 0

Dip: -90

Claim: 4275676

0.003

0.003

0.003

0.003

0.003

0.003

26.52

AA17-00038

LEGEND

Lithology	Assays – Au ppm
Overburden (OB)	0.1– 0.25
Amphibolite (AMP)	0.25 – 0.5
Felsic Gneiss (Sedimentary) (FGS)	0.5 – 1.0
Felsic Gneiss (Granitic) (FGG)	1.0 – 2.0
Felsic Gneiss (Conglomerate) (FGC)	2.0 – 3.5
Amphibole Felsic Gneiss (AMPG)	3.5 – 10.0
Biotite Felsic Gneiss (BFG)	>= 10.0
Garnet Biotite Felsic Gneiss (GBFG)	
Pegmatite (PEG)	
Quartz Feldspar Porphyry (QFP)	
Diabase (DIA)	
Quartz Vein (QV)	
Ultramafic Dyke (UMD)	
Diorite (DIO)	

Scale 1:50

GOLDCORP

BORDEN GOLD

331080.0 E

400 Y

390 Y

380 Y

370 Y

360 Y

350 Y

340 Y

330 Y

320 Y

Azi: 0

Dip: -90

Claim: 4275676

0

5

10

15

20

25

30

35

40

43.28

0.003

BLK

AA17-00039

230 X

240 X

250 X

260 X

270 X

Scale 1:100

LEGEND

Lithology

- Overburden (OB)
- Amphibolite (AMP)
- Felsic Gneiss (Sedimentary) (FGS)
- Felsic Gneiss (Granitic) (FGG)
- Felsic Gneiss (Conglomerate) (FGC)
- Amphibole Felsic Gneiss (AMPG)
- Biotite Felsic Gneiss (BFG)
- Garnet Biotite Felsic Gneiss (GBFG)
- Pegmatite (PEG)
- Quartz Feldspar Porphyry (QFP)
- Diabase (DIA)
- Quartz Vein (QV)
- Ultramafic Dyke (UMD)
- Diorite (DIO)

Assays – Au ppm

- 0.1– 0.25
- 0.25 – 0.5
- 0.5 – 1.0
- 1.0 – 2.0
- 2.0 – 3.5
- 3.5 – 10.0
- >= 10.0

Appendix 3. Assay Certificate

ALS Canada Ltd
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

CERTIFICATE TM17191205

Project: ALS00045

P.O. No.: 4570018367

This report is for 173 Drill Core samples submitted to our lab in Timmins, ON, Canada on 7- SEP- 2017.

The following have access to data associated with this certificate:

BORDEN ASSAYS ROBERT PENCZAK	THOMAS BISSIG	CHRIS OSIOWY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
WSH- 22	"Wash" pulverizers
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 36	Fine Crushing - 85% < 2mm
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 24	Pulp Login - Rcd w/o Barcode
SPL- 21	Split sample - riffle splitter
PUL- 32y	Pulv 500 g Split to 90% < 75 um
CRU- 21	Crush entire sample > 70% - 6 mm
WSH- 21	"Wash" crushers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 30g FA AA finish	AAS
ME- ICP61	33 element four acid ICP- AES	ICP- AES

To: GOLDCORP INC. - BORDEN GOLD
ATTN: BORDEN ASSAYS
SOUTH PORCUPINE ON P0N 1H0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-AA24 Au g/t 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1
074001		8.57	78.4	84.4	<0.005	<0.5	7.67	<5	1640	1.5	<2	4.11	<0.5	23	55	115
074002		7.18			<0.005	<0.5	7.78	<5	1680	1.8	<2	4.23	<0.5	22	51	29
074003		11.79			<0.005	<0.5	7.45	<5	1540	1.6	2	4.09	<0.5	23	55	88
074004		5.86	90.6		<0.005	<0.5	7.48	5	1520	1.7	<2	3.99	<0.5	22	54	109
074005		6.13	89.4	96.8	<0.005	<0.5	7.64	<5	1470	1.7	<2	4.08	<0.5	21	53	62
074006		0.06			0.348	<0.5	7.35	187	350	1.1	<2	5.80	<0.5	42	188	117
074007		7.97		94.2	0.007	<0.5	7.61	<5	1690	1.3	<2	5.03	<0.5	28	61	89
074008		5.94			0.008	<0.5	7.61	<5	1810	1.2	<2	5.27	<0.5	31	64	90
074009		6.16			<0.005	<0.5	7.30	<5	1510	1.6	<2	4.29	<0.5	23	59	27
074010		6.33			<0.005	<0.5	7.32	<5	1520	1.6	<2	4.26	<0.5	24	54	110
074011		9.72			<0.005	<0.5	7.60	<5	1680	1.4	<2	4.60	<0.5	24	59	64
074012		0.59			<0.005	<0.5	0.06	<5	20	<0.5	<2	32.0	<0.5	<1	2	4
074013		6.09			<0.005	<0.5	7.44	<5	1600	1.4	<2	4.22	<0.5	30	55	84
074014		8.36			<0.005	<0.5	8.07	<5	1660	1.4	<2	4.60	<0.5	105	58	72
074015		8.32			<0.005	<0.5	8.13	<5	1610	1.6	<2	4.64	<0.5	24	60	67
074016		4.48			<0.005	<0.5	7.34	<5	1510	1.5	<2	3.80	<0.5	23	50	73
074017		10.63			<0.005	<0.5	7.61	<5	1510	1.6	<2	3.93	<0.5	23	50	69
074018		0.06			0.348	<0.5	7.29	198	340	1.1	2	5.57	<0.5	37	181	110
074019		5.25		96.1	<0.005	<0.5	7.62	<5	1890	1.3	<2	3.34	<0.5	15	42	8
074020		5.01		95.1	<0.005	<0.5	7.95	<5	1230	1.8	<2	4.40	<0.5	23	98	6
074021		6.07			<0.005	<0.5	7.20	<5	1410	1.6	<2	3.68	<0.5	19	55	7
074022		7.32			<0.005	<0.5	7.46	<5	1360	1.6	<2	3.69	<0.5	165	54	6
074023		3.57			<0.005	<0.5	7.91	<5	1380	1.6	<2	4.14	<0.5	19	61	10
074024		8.49			<0.005	<0.5	8.30	<5	1380	1.7	<2	4.44	<0.5	24	64	14
074025		6.13			<0.005	<0.5	8.01	<5	1500	1.7	<2	4.07	<0.5	19	62	5
074026		0.07			1.280	<0.5	6.82	809	440	1.0	<2	5.44	<0.5	38	185	93
074027		7.83			<0.005	<0.5	8.16	<5	1260	2.2	<2	4.00	<0.5	22	75	94
074028		3.42			<0.005	<0.5	7.87	<5	1520	2.3	<2	2.96	<0.5	14	28	53
074029		5.19			<0.005	<0.5	8.77	<5	1680	2.4	<2	3.18	<0.5	17	31	57
074030		5.12			<0.005	<0.5	7.62	<5	1930	2.0	<2	4.14	<0.5	18	44	5
074031		5.62			0.018	<0.5	7.40	<5	900	3.3	<2	6.35	<0.5	36	73	105
074032		0.63			<0.005	<0.5	0.06	<5	20	<0.5	<2	34.4	<0.5	<1	1	<1
074033		5.46			<0.005	<0.5	7.84	<5	1970	2.1	<2	4.31	<0.5	21	49	11
074034		5.57			<0.005	<0.5	7.50	<5	4020	1.1	<2	4.12	<0.5	17	33	178
074035		5.10			<0.005	<0.5	7.22	<5	5860	0.5	<2	2.19	<0.5	5	16	54
074036		3.55			<0.005	<0.5	7.65	<5	3020	0.9	<2	2.69	<0.5	204	19	12
074037		3.98			<0.005	<0.5	7.52	<5	2200	0.9	<2	2.73	<0.5	3	13	5
074038		0.06			0.345	<0.5	7.64	209	360	1.1	<2	5.81	<0.5	40	191	116
074039		3.43			<0.005	<0.5	7.88	<5	4290	0.7	<2	2.29	<0.5	8	15	11
074040		5.53	93.0	96.3	<0.005	<0.5	7.65	<5	1340	1.9	<2	2.46	<0.5	10	27	9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
D74001		4.98	20	3.11	50	2.23	844	<1	3.34	38	2630	19	0.01	<5	10	1585
D74002		4.98	20	3.03	60	2.17	846	<1	3.45	37	2860	19	<0.01	<5	10	1700
D74003		4.79	20	3.04	40	2.16	843	1	3.47	36	2630	17	<0.01	<5	9	1575
D74004		4.71	20	3.04	50	2.09	825	1	3.35	33	2550	23	0.01	<5	9	1550
D74005		4.72	20	2.96	50	2.11	847	1	3.34	34	2390	21	0.01	<5	10	1565
D74006		7.96	20	0.78	20	3.80	1455	4	2.17	140	1650	6	0.27	<5	19	426
D74007		5.64	20	2.41	60	2.76	976	1	3.34	43	3310	15	0.02	<5	13	1875
D74008		6.16	20	2.48	60	3.08	1030	<1	3.12	50	3560	12	0.01	<5	14	2010
D74009		4.98	20	2.70	50	2.34	871	1	3.28	38	2700	21	0.01	<5	10	1610
D74010		4.80	20	2.58	50	2.29	815	<1	3.41	38	2630	20	0.02	<5	10	1635
D74011		5.31	20	2.92	50	2.49	914	<1	3.45	41	2970	17	0.01	<5	11	1755
D74012		0.17	<10	0.01	<10	1.56	99	1	0.02	<1	60	<2	<0.01	<5	<1	85
D74013		5.03	20	2.98	40	2.28	850	1	3.58	38	2710	17	0.01	<5	9	1715
D74014		5.48	20	2.97	50	2.57	904	1	3.64	40	3050	17	0.01	<5	12	1795
D74015		5.55	20	2.98	60	2.56	943	1	3.58	38	2990	17	0.01	<5	11	1845
D74016		4.67	20	3.00	40	2.08	787	1	3.49	33	2480	24	0.02	<5	9	1500
D74017		4.62	20	2.92	50	2.12	788	1	3.46	32	2490	21	0.02	<5	10	1510
D74018		7.73	20	0.77	20	3.68	1405	5	2.19	137	1600	3	0.26	<5	18	418
D74019		3.71	20	2.43	30	1.39	612	1	3.12	27	1330	9	<0.01	<5	8	730
D74020		4.71	20	1.82	40	2.35	789	<1	3.25	56	1470	13	<0.01	<5	11	1090
D74021		4.07	20	1.65	30	1.65	660	1	3.34	34	1340	12	<0.01	<5	8	1165
D74022		4.10	20	1.61	30	1.61	645	1	3.40	33	1340	11	<0.01	<5	8	1080
D74023		4.50	20	1.48	30	1.84	728	1	3.66	41	1490	10	<0.01	<5	9	1255
D74024		4.88	20	1.50	30	1.98	796	1	3.87	42	1650	10	<0.01	<5	10	1360
D74025		4.83	20	1.73	40	1.96	723	1	3.36	38	1610	16	<0.01	<5	10	1065
D74026		9.63	20	0.68	20	3.71	2680	3	1.92	136	1980	6	1.01	<5	17	377
D74027		4.88	20	2.08	50	2.16	784	3	4.27	51	2010	14	0.08	<5	9	1355
D74028		3.81	20	2.84	50	1.34	665	1	4.05	22	1780	19	0.04	<5	6	1385
D74029		4.18	20	2.96	60	1.48	696	2	4.48	24	1910	21	0.05	<5	7	1570
D74030		4.67	20	2.40	60	1.90	801	1	3.48	37	2370	13	<0.01	<5	8	1660
D74031		8.43	20	1.63	160	3.93	1495	1	2.73	76	4040	10	<0.01	<5	18	1295
D74032		0.12	<10	0.01	<10	1.69	103	<1	0.03	<1	80	<2	<0.01	<5	<1	93
D74033		5.07	20	2.96	60	2.08	891	<1	3.28	41	2500	15	<0.01	<5	8	1660
D74034		4.26	20	3.66	60	1.67	750	<1	2.72	24	2360	15	0.01	<5	8	1245
D74035		1.40	10	4.59	30	0.60	307	1	2.38	7	540	17	<0.01	<5	3	1250
D74036		1.26	20	2.54	20	0.32	232	1	3.72	4	570	16	<0.01	<5	2	1405
D74037		0.90	20	1.91	40	0.25	173	1	3.96	4	690	15	<0.01	<5	1	1400
D74038		8.15	20	0.81	20	3.87	1470	5	2.30	143	1680	6	0.28	<5	19	440
D74039		1.24	20	3.46	50	0.43	219	1	3.16	4	550	18	<0.01	<5	2	1375
D74040		2.90	20	2.63	40	0.93	477	1	3.29	20	1050	20	<0.01	<5	5	957

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd
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www.alsglobal.com/geochemistry

To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Te ppm 10	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
D74001		10	<20	0.47	<10	<10	134	<10	104
D74002		10	<20	0.48	<10	<10	127	<10	104
D74003		<10	<20	0.45	<10	<10	131	<10	102
D74004		10	<20	0.44	10	<10	126	<10	99
D74005		10	<20	0.43	<10	<10	127	<10	97
D74006		<10	<20	1.04	10	<10	155	<10	120
D74007		10	<20	0.53	10	<10	156	<10	118
D74008		<10	<20	0.59	<10	<10	171	<10	122
D74009		<10	<20	0.46	<10	<10	133	<10	103
D7401D		<10	<20	0.46	<10	<10	133	<10	99
D74011		10	<20	0.52	<10	<10	147	<10	111
D74012		10	<20	<0.01	10	<10	1	<10	3
D74013		<10	<20	0.51	<10	<10	139	70	99
D74014		<10	<20	0.56	<10	<10	151	790	108
D74015		<10	<20	0.54	<10	<10	150	<10	112
D74016		<10	<20	0.46	<10	<10	125	10	96
D74017		<10	<20	0.46	<10	<10	126	<10	97
D74018		<10	<20	0.99	<10	<10	151	<10	114
D74019		<10	<20	0.37	<10	<10	87	10	88
D7402D		<10	<20	0.43	10	<10	119	10	100
D74021		<10	<20	0.40	<10	<10	101	20	92
D74022		<10	<20	0.39	<10	<10	99	1460	93
D74023		<10	<20	0.45	<10	<10	112	<10	104
D74024		<10	<20	0.48	<10	<10	121	30	113
D74025		<10	<20	0.46	<10	<10	118	<10	116
D74026		<10	<20	0.92	<10	<10	154	<10	130
D74027		<10	<20	0.50	<10	<10	116	10	107
D74028		<10	<20	0.39	<10	<10	85	<10	92
D74029		<10	20	0.43	10	<10	92	20	98
D7403D		<10	20	0.49	<10	<10	105	<10	116
D74031		<10	30	0.75	<10	<10	184	<10	215
D74032		<10	<20	0.01	<10	10	1	<10	3
D74033		<10	20	0.51	<10	<10	115	<10	128
D74034		<10	20	0.37	<10	<10	99	<10	101
D74035		<10	20	0.06	<10	<10	24	10	28
D74036		<10	20	0.03	<10	<10	15	2140	18
D74037		<10	20	0.03	<10	<10	13	10	16
D74038		<10	<20	1.06	<10	<10	158	<10	119
D74039		10	20	0.07	<10	<10	21	50	26
D7404D		<10	<20	0.30	<10	<10	62	10	71

***** See Appendix Page for comments regarding this certificate *****

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17-SEP-2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-AA24 Au g/t 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1
D74041		10.60		95.9	<0.005	<0.5	7.33	<5	1430	1.7	<2	2.47	<0.5	12	25	3
D74042		3.76			<0.005	<0.5	7.17	<5	1210	2.0	2	2.22	<0.5	10	29	4
D74043		4.83			<0.005	<0.5	7.35	<5	1280	1.9	<2	2.41	<0.5	11	41	8
D74044		5.21			<0.005	<0.5	8.04	<5	1080	1.4	2	4.57	<0.5	26	97	130
D74045		5.39			<0.005	<0.5	8.17	<5	950	1.5	<2	4.67	<0.5	25	101	125
D74046		0.06			0.348	<0.5	7.67	212	360	1.1	<2	5.87	0.6	41	193	116
D74047		3.33			<0.005	<0.5	8.44	<5	760	1.8	<2	5.19	<0.5	28	118	87
D74048		5.05			<0.005	<0.5	8.55	<5	870	1.8	<2	5.00	<0.5	26	99	82
D74049		7.09			<0.005	<0.5	8.24	<5	670	1.8	<2	4.81	<0.5	24	107	46
D7405D		4.38			<0.005	<0.5	7.95	<5	710	1.7	<2	4.69	<0.5	26	95	53
D74051		9.36			<0.005	<0.5	7.02	<5	290	0.7	2	7.22	0.6	50	53	106
D74052		0.93			<0.005	<0.5	0.07	<5	20	<0.5	<2	31.1	<0.5	1	1	1
D74053		7.68			<0.005	<0.5	7.07	<5	220	0.6	<2	6.96	0.5	48	36	104
D74054		6.69			<0.005	<0.5	7.49	<5	1430	1.5	<2	2.94	<0.5	12	39	13
D74055		4.34			<0.005	<0.5	7.96	<5	1020	1.7	<2	3.53	<0.5	16	53	12
D74056		4.22			<0.005	<0.5	8.50	<5	750	1.1	<2	3.84	<0.5	20	87	37
D74057		3.61			0.008	<0.5	7.62	<5	890	1.3	2	2.66	<0.5	19	98	47
D74058		0.94			<0.005	<0.5	0.07	<5	10	<0.5	<2	33.0	<0.5	<1	2	1
D74059		3.69			0.019	<0.5	7.76	<5	900	1.3	<2	2.92	<0.5	26	143	86
D7406D		4.04			<0.005	<0.5	7.67	<5	550	1.0	<2	3.35	<0.5	12	35	41
D74061		3.19	92.5		<0.005	<0.5	7.86	<5	620	1.1	<2	3.72	<0.5	14	22	52
D74062		2.60			<0.005	<0.5	7.42	<5	790	1.0	<2	3.31	<0.5	11	45	9
D74063		3.40			<0.005	<0.5	7.82	<5	670	1.1	<2	4.37	<0.5	20	96	4
D74064		5.73			<0.005	<0.5	7.42	<5	610	0.9	<2	3.55	<0.5	16	40	28
D74065		6.68			<0.005	<0.5	7.51	<5	670	1.1	<2	4.29	<0.5	21	65	42
D74066		0.07			1.235	<0.5	6.85	809	440	1.0	<2	5.43	0.6	36	178	94
D74067		3.93			<0.005	<0.5	7.59	<5	700	1.0	<2	4.40	<0.5	22	58	47
D74068		4.25			<0.005	<0.5	7.27	<5	770	1.0	<2	3.20	<0.5	13	58	43
D74069		3.99			<0.005	<0.5	7.73	<5	780	1.3	<2	4.79	<0.5	41	132	43
D74070		5.38			<0.005	<0.5	7.64	<5	730	1.0	<2	3.75	<0.5	82	65	28
D74071		8.06			<0.005	<0.5	7.83	<5	1580	2.2	<2	3.78	<0.5	17	47	4
D74072		0.97			<0.005	<0.5	0.07	<5	20	<0.5	<2	32.3	<0.5	<1	2	2
D74073		3.74			<0.005	<0.5	7.62	<5	1780	1.4	<2	3.68	<0.5	15	43	2
D74074		9.02			<0.005	<0.5	7.83	<5	2010	1.9	<2	4.20	<0.5	18	46	2
D74075		6.89			<0.005	<0.5	7.65	<5	2780	1.8	<2	4.30	<0.5	20	48	1
D74076		4.35			<0.005	<0.5	6.90	<5	380	1.5	<2	6.53	0.5	42	102	177
D74077		3.73			<0.005	<0.5	7.16	<5	620	1.7	<2	6.84	<0.5	46	218	120
D74078		2.12			<0.005	<0.5	0.06	<5	30	<0.5	<2	31.5	<0.5	<1	2	1
D74079		3.98			<0.005	<0.5	6.11	<5	820	1.3	<2	7.01	<0.5	49	292	78
D74080		4.68	86.3	94.1	<0.005	<0.5	5.95	<5	560	1.6	3	7.44	0.6	57	221	132

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1
D74041		2.84	20	2.78	30	0.91	479	1	3.30	16	1070	19	<0.01	<5	6	959
D74042		2.78	20	3.11	40	0.91	493	1	3.04	18	1040	25	<0.01	<5	5	896
D74043		2.95	20	2.95	40	0.99	501	2	3.04	21	1070	24	0.01	<5	6	897
D74044		5.21	20	1.16	40	2.39	791	2	3.55	63	1630	11	0.11	<5	12	1320
D74045		5.17	20	1.03	30	2.54	797	1	3.56	69	1590	10	0.11	<5	13	1345
D74046		8.14	20	0.81	20	3.90	1480	6	2.29	143	1700	3	0.27	<5	19	439
D74047		5.67	20	1.06	30	2.86	913	1	3.71	70	1730	10	0.09	<5	15	1325
D74048		5.42	20	1.03	40	2.67	881	1	3.71	71	1860	14	0.09	<5	14	1400
D74049		4.99	20	1.20	40	2.71	828	1	3.34	79	1660	10	0.06	<5	15	1065
D74050		4.81	20	1.10	40	2.45	783	2	3.38	65	1490	12	0.07	<5	13	1130
D74051		9.16	20	0.60	20	4.03	1605	1	1.69	60	750	4	0.13	<5	43	277
D74052		0.27	<10	0.01	<10	1.77	109	1	0.03	<1	80	2	0.15	<5	<1	80
D74053		8.86	20	0.49	10	3.58	1545	1	1.69	37	480	<2	0.12	<5	43	196
D74054		3.14	20	2.40	20	1.16	446	1	2.88	25	1060	14	0.04	<5	11	855
D74055		4.02	20	1.38	20	1.63	563	1	3.68	32	1310	10	0.04	<5	15	905
D74056		4.34	20	1.23	10	1.95	583	<1	4.12	56	1000	7	0.11	<5	13	890
D74057		4.14	20	1.52	20	1.66	557	1	3.27	57	1070	12	0.12	<5	11	742
D74058		0.12	<10	0.01	<10	1.61	107	<1	0.03	<1	70	<2	<0.01	<5	<1	87
D74059		4.95	20	1.89	30	2.13	657	2	2.90	92	990	14	0.22	<5	12	712
D74060		3.64	20	0.80	30	1.13	461	<1	3.52	18	1190	10	0.08	<5	8	744
D74061		4.12	20	1.06	30	1.28	625	<1	3.55	15	1400	8	0.07	<5	9	840
D74062		3.60	20	1.17	40	1.15	490	1	3.20	19	1190	6	0.06	<5	7	799
D74063		4.82	20	1.18	30	2.07	683	1	3.00	33	1430	9	0.05	<5	13	708
D74064		3.67	20	0.93	20	1.14	605	3	3.36	24	730	5	0.06	<5	8	735
D74065		4.39	20	1.11	20	1.73	725	1	3.35	39	1150	7	0.08	<5	12	837
D74066		9.70	20	0.68	20	3.73	2690	3	1.93	138	1990	5	1.01	<5	17	380
D74067		4.79	20	1.02	20	1.90	817	1	3.16	38	1170	7	0.10	<5	13	734
D74068		3.16	20	1.16	20	1.19	533	3	3.36	34	800	9	0.06	<5	7	713
D74069		4.45	20	1.22	30	2.49	818	5	3.14	80	1450	9	0.11	<5	13	766
D74070		3.72	20	1.01	20	1.42	593	3	3.51	33	1130	9	0.08	<5	9	773
D74071		4.12	20	3.18	60	1.77	760	1	3.37	34	2190	20	<0.01	<5	8	1470
D74072		0.12	<10	<0.01	<10	1.75	99	<1	0.03	<1	80	<2	<0.01	<5	<1	86
D74073		3.86	20	2.97	50	1.66	763	<1	3.28	32	2030	17	<0.01	5	8	1380
D74074		4.22	20	3.10	60	1.82	769	1	3.30	34	2340	15	<0.01	<5	9	1505
D74075		4.50	20	3.27	70	1.97	798	<1	3.23	35	2490	11	<0.01	<5	9	1380
D74076		8.81	20	0.97	30	4.21	1310	1	2.28	70	2600	5	0.18	<5	29	744
D74077		8.35	20	1.34	50	5.30	1295	<1	2.44	149	2350	7	0.15	<5	28	848
D74078		0.14	<10	0.01	<10	1.75	113	1	0.02	<1	60	<2	<0.01	<5	<1	85
D74079		8.18	20	1.73	30	6.24	1310	<1	1.89	213	2010	8	0.12	<5	29	664
D74080		9.75	20	1.29	40	6.32	1430	<1	1.79	159	2890	3	0.24	<5	37	560

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17-SEP-2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Te	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	10	20	0.01	10	10	1	10	2
D74041		<10	<20	0.29	<10	<10	62	20	68
D74042		<10	20	0.30	<10	<10	60	<10	71
D74043		<10	20	0.30	<10	<10	63	10	71
D74044		<10	<20	0.47	<10	<10	123	40	102
D74045		<10	<20	0.49	<10	<10	130	30	104
D74046		<10	<20	1.05	<10	<10	159	<10	120
D74047		10	<20	0.52	10	<10	148	<10	116
D74048		<10	<20	0.53	<10	<10	137	10	112
D74049		<10	<20	0.45	<10	<10	126	<10	100
D74050		<10	<20	0.44	<10	<10	123	30	95
D74051		<10	<20	0.62	<10	<10	269	<10	100
D74052		10	<20	0.01	<10	10	2	<10	12
D74053		<10	<20	0.57	<10	<10	268	10	96
D74054		<10	<20	0.27	<10	<10	74	10	64
D74055		<10	<20	0.37	<10	<10	104	<10	87
D74056		<10	<20	0.46	10	<10	134	<10	87
D74057		<10	<20	0.37	<10	<10	105	<10	93
D74058		10	<20	0.01	<10	<10	1	<10	4
D74059		<10	<20	0.46	<10	<10	129	10	105
D74060		<10	<20	0.36	<10	<10	77	<10	63
D74061		<10	<20	0.41	<10	<10	86	<10	82
D74062		<10	<20	0.35	<10	<10	68	<10	73
D74063		<10	<20	0.39	<10	<10	104	<10	102
D74064		<10	<20	0.31	10	<10	79	40	67
D74065		10	<20	0.39	<10	<10	113	<10	82
D74066		<10	<20	0.92	<10	<10	156	<10	131
D74067		<10	<20	0.36	<10	<10	110	<10	87
D74068		10	<20	0.28	<10	<10	66	<10	68
D74069		<10	<20	0.40	<10	<10	98	240	87
D74070		<10	<20	0.34	10	<10	82	880	73
D74071		<10	20	0.40	<10	<10	100	<10	94
D74072		<10	<20	0.01	<10	10	1	<10	4
D74073		10	<20	0.39	<10	<10	93	<10	88
D74074		<10	<20	0.43	<10	<10	106	<10	94
D74075		<10	20	0.46	<10	<10	112	<10	105
D74076		10	<20	0.80	<10	<10	266	<10	140
D74077		<10	<20	0.80	<10	<10	240	<10	142
D74078		10	<20	<0.01	<10	10	1	<10	5
D74079		<10	<20	0.80	<10	<10	224	<10	137
D74080		<10	<20	0.91	<10	<10	311	<10	150

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	WEI-21 RecvdWt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-AA24 Au g/t 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1
D74081		8.46		95.2	<0.005	<0.5	7.86	<5	1520	2.3	<2	4.26	<0.5	19	44	63
D74082		4.98			<0.005	<0.5	7.83	<5	1620	1.9	<2	4.67	<0.5	24	58	14
D74083		3.99			<0.005	<0.5	7.66	<5	1520	2.3	<2	4.01	<0.5	19	44	129
D74084		5.42			<0.005	<0.5	7.41	<5	1400	2.3	<2	4.08	<0.5	19	47	45
D74085		4.02			<0.005	<0.5	7.19	<5	1420	2.3	<2	3.70	<0.5	16	43	59
D74086		0.07			0.346	<0.5	7.27	198	340	1.1	<2	5.61	<0.5	38	185	111
D74087		3.42			<0.005	<0.5	7.68	<5	1510	1.9	<2	4.36	<0.5	19	43	59
D74088		6.19	91.3		<0.005	<0.5	7.58	<5	1640	1.7	<2	3.88	<0.5	17	45	40
D74089		5.02			<0.005	<0.5	7.59	<5	1690	1.7	<2	3.87	<0.5	17	46	58
D74090		3.71			0.016	<0.5	7.30	<5	1310	1.9	<2	5.40	<0.5	26	59	33
D74091		4.34			<0.005	<0.5	7.87	<5	1620	1.9	<2	4.08	<0.5	17	42	38
D74092		1.26			<0.005	<0.5	0.06	<5	20	<0.5	<2	32.4	<0.5	<1	2	2
D74093		5.16			<0.005	<0.5	7.73	<5	1640	1.9	<2	3.91	<0.5	19	47	58
D74094		7.83			<0.005	<0.5	7.54	<5	1630	1.8	<2	3.83	<0.5	17	43	15
D74095		8.10			<0.005	<0.5	8.05	<5	1630	1.9	<2	3.71	<0.5	17	40	38
D74096		4.56			<0.005	<0.5	8.41	<5	1510	1.9	<2	3.58	<0.5	16	34	75
D74097		7.70			0.008	<0.5	8.20	<5	1450	1.8	<2	3.82	<0.5	15	36	64
D74098		0.07			0.346	<0.5	7.37	202	340	1.1	3	5.68	<0.5	38	188	112
D74099		5.27			<0.005	<0.5	7.49	<5	490	0.7	<2	4.56	<0.5	27	117	28
D74100		5.00			<0.005	<0.5	7.36	<5	780	0.9	<2	3.86	<0.5	16	71	49
D74101		4.30			<0.005	<0.5	7.49	<5	680	0.9	<2	4.50	<0.5	21	91	87
D74102		4.36			<0.005	<0.5	7.43	<5	460	0.8	<2	5.16	<0.5	25	109	83
D74103		4.87			<0.005	<0.5	7.60	<5	470	0.9	<2	4.62	<0.5	21	66	51
D74104		4.55			<0.005	<0.5	7.18	<5	1320	1.0	<2	1.80	<0.5	4	21	13
D74105		2.73			<0.005	<0.5	7.23	<5	1260	1.0	<2	1.66	<0.5	5	22	9
D74106		0.07			1.245	<0.5	6.68	798	440	1.0	<2	5.30	<0.5	37	175	91
D74107		4.16			<0.005	<0.5	7.63	<5	1430	1.0	<2	1.79	<0.5	7	18	18
D74108		3.74			<0.005	<0.5	7.30	<5	1150	0.9	<2	1.45	<0.5	3	15	6
D74109		4.38			<0.005	<0.5	7.38	<5	1430	0.9	<2	1.57	<0.5	3	18	8
D74110		5.84			0.005	<0.5	7.67	<5	140	0.5	<2	7.57	0.7	52	118	190
D74111		8.20	88.3		<0.005	<0.5	7.30	<5	130	<0.5	<2	7.43	0.7	52	117	196
D74112		1.06			<0.005	<0.5	0.06	<5	10	<0.5	<2	30.4	<0.5	<1	2	1
D74113		2.97			<0.005	<0.5	7.86	<5	370	1.1	<2	5.08	<0.5	25	52	35
D74114		5.35			<0.005	<0.5	7.76	<5	470	1.2	<2	3.63	<0.5	14	31	9
D74115		3.81			<0.005	<0.5	7.38	<5	470	1.2	<2	3.15	<0.5	13	25	9
D74116		5.49			<0.005	<0.5	7.60	<5	470	1.2	<2	3.30	<0.5	16	31	40
D74117		8.87			<0.005	<0.5	7.01	<5	690	1.0	<2	3.18	<0.5	12	44	16
D74118		1.09			<0.005	<0.5	0.05	<5	10	<0.5	<2	31.0	<0.5	<1	2	6
D74119		5.07			<0.005	<0.5	7.26	<5	570	1.1	<2	2.80	<0.5	14	44	30
D74120		5.35		95.2	<0.005	<0.5	7.37	5	740	1.0	2	2.47	<0.5	10	19	13

***** See Appendix Page for comments regarding this certificate *****

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
D74081		4.42	20	2.80	70	1.90	797	1	3.79	34	2410	22	0.01	<5	9	1575
D74082		5.09	20	2.27	50	2.30	863	<1	3.94	45	2770	18	0.01	<5	10	1780
D74083		4.28	20	2.96	60	1.84	777	1	3.66	33	2330	26	<0.01	<5	8	1590
D74084		4.26	20	2.72	60	1.84	771	1	3.82	33	2330	19	0.01	<5	8	1495
D74085		4.04	20	2.92	60	1.74	749	1	3.56	31	2180	24	0.01	<5	8	1395
D74086		7.75	20	0.78	20	3.70	1410	5	2.17	136	1610	<2	0.26	<5	18	417
D74087		4.23	20	2.49	60	1.91	768	1	3.79	33	2580	21	0.01	<5	9	1620
D74088		4.17	20	2.62	60	1.88	744	1	3.69	35	2280	16	0.01	<5	9	1510
D74089		4.13	20	2.64	50	1.86	741	1	3.74	37	2230	19	0.01	<5	8	1650
D74090		5.99	20	1.94	100	2.90	1010	1	3.24	55	3570	14	0.01	<5	13	1750
D74091		4.28	20	2.68	60	1.85	751	<1	3.92	34	2510	18	0.02	<5	8	1645
D74092		0.12	<10	0.01	<10	1.39	106	<1	0.02	<1	70	<2	<0.01	<5	<1	88
D74093		4.23	20	2.71	50	1.88	751	<1	3.67	36	2260	18	0.02	<5	8	1570
D74094		4.11	20	2.74	50	1.79	731	<1	3.49	32	2210	18	0.01	<5	8	1605
D74095		4.08	20	2.59	60	1.72	717	1	4.02	31	2110	23	0.01	<5	7	1645
D74096		3.93	20	2.33	60	1.54	681	1	4.44	26	1920	21	0.01	<5	7	1665
D74097		4.08	20	1.94	50	1.60	717	<1	4.44	29	2030	16	0.01	<5	7	1755
D74098		7.85	20	0.78	20	3.76	1430	6	2.20	137	1630	3	0.27	<5	18	421
D74099		5.67	20	0.90	30	2.42	919	<1	2.38	55	550	2	0.06	<5	21	307
D74100		4.32	20	1.00	40	1.56	699	<1	2.75	37	1260	9	0.11	<5	10	600
D74101		4.98	20	0.90	40	2.04	830	7	2.54	44	1480	5	0.21	<5	14	593
D74102		5.96	20	0.75	40	2.25	1015	2	2.54	64	1210	5	0.23	<5	19	477
D74103		5.49	20	0.72	40	1.86	912	1	2.78	47	1480	6	0.16	<5	17	520
D74104		1.42	20	2.45	10	0.47	198	1	3.05	9	690	18	0.05	<5	1	672
D74105		1.61	20	2.37	10	0.56	231	<1	3.15	9	880	10	0.04	<5	2	595
D74106		9.48	20	0.67	20	3.66	2590	3	1.89	134	1930	3	0.98	<5	17	372
D74107		1.84	20	2.94	10	0.60	264	1	3.31	9	1360	16	0.17	<5	2	591
D74108		1.33	20	2.53	10	0.30	239	<1	3.36	8	820	8	0.06	<5	1	411
D74109		1.24	20	3.06	10	0.25	215	<1	3.52	6	850	12	0.03	<5	1	458
D74110		9.88	20	0.37	10	4.18	1585	1	1.70	84	460	3	0.11	<5	40	172
D74111		9.79	20	0.31	10	4.10	1580	1	1.58	86	420	4	0.10	<5	39	145
D74112		0.14	<10	0.01	<10	2.15	109	<1	0.03	<1	60	<2	<0.01	<5	<1	78
D74113		6.86	20	0.89	40	2.10	1000	<1	3.01	40	3640	4	0.24	<5	15	865
D74114		4.45	20	0.88	30	1.20	671	1	3.13	17	1850	10	0.06	<5	9	676
D74115		4.09	20	0.96	20	1.09	651	<1	3.05	15	1410	3	0.09	<5	9	567
D74116		5.06	20	1.18	30	1.42	657	9	3.14	19	2120	2	0.40	<5	11	625
D74117		3.60	20	1.12	30	1.16	537	1	3.25	26	1110	6	0.05	<5	8	525
D74118		0.15	<10	0.01	<10	1.31	94	<1	0.02	<1	70	<2	0.02	<5	<1	82
D74119		3.74	20	1.23	20	1.57	486	1	3.30	22	1160	7	0.07	<5	9	524
D74120		2.72	20	1.66	30	0.73	401	1	3.25	13	1000	11	0.01	<5	6	597

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Te ppm 10	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
D74081		<10	<20	0.44	<10	<10	112	<10	98
D74082		<10	<20	0.50	<10	<10	132	<10	109
D74083		<10	<20	0.42	<10	<10	108	<10	96
D74084		<10	<20	0.43	<10	<10	110	<10	100
D74085		<10	20	0.39	<10	<10	103	<10	96
D74086		<10	<20	1.01	<10	<10	153	<10	114
D74087		<10	<20	0.41	<10	<10	110	<10	93
D74088		<10	<20	0.39	<10	<10	105	<10	91
D74089		<10	<20	0.39	10	<10	103	<10	93
D74090		<10	20	0.58	<10	<10	149	<10	132
D74091		<10	<20	0.42	<10	<10	105	<10	98
D74092		<10	<20	<0.01	10	<10	1	<10	3
D74093		<10	<20	0.41	<10	<10	105	<10	99
D74094		<10	<20	0.39	10	<10	102	<10	97
D74095		<10	<20	0.43	<10	<10	95	<10	101
D74096		<10	<20	0.42	<10	<10	93	<10	95
D74097		<10	<20	0.45	<10	<10	97	<10	96
D74098		<10	<20	1.01	<10	<10	155	<10	116
D74099		<10	<20	0.39	<10	<10	152	<10	79
D74100		<10	<20	0.42	<10	<10	100	<10	84
D74101		<10	<20	0.44	10	<10	131	<10	89
D74102		10	<20	0.61	10	<10	172	<10	95
D74103		<10	<20	0.57	<10	<10	138	<10	103
D74104		<10	<20	0.13	<10	<10	25	<10	50
D74105		<10	<20	0.15	<10	<10	27	<10	51
D74106		<10	<20	0.89	<10	<10	151	<10	128
D74107		<10	<20	0.08	<10	<10	19	<10	69
D74108		<10	<20	0.08	<10	<10	17	<10	33
D74109		<10	<20	0.11	<10	<10	19	<10	27
D74110		<10	<20	0.66	<10	<10	346	<10	108
D74111		<10	<20	0.65	<10	<10	339	<10	107
D74112		10	<20	0.01	<10	10	1	<10	4
D74113		<10	<20	0.71	<10	<10	156	<10	126
D74114		<10	<20	0.48	<10	<10	92	<10	89
D74115		<10	<20	0.41	<10	<10	89	<10	82
D74116		10	<20	0.52	<10	<10	112	<10	95
D74117		<10	<20	0.36	<10	<10	77	<10	63
D74118		<10	<20	<0.01	10	<10	1	<10	3
D74119		<10	<20	0.33	<10	<10	87	<10	64
D74120		10	<20	0.27	<10	<10	58	<10	53

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To:GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-AA24 Au g/t 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1
D74121		4.44		95.2	<0.005	<0.5	7.36	<5	820	0.9	2	2.49	<0.5	11	16	8
D74122		5.87			<0.005	<0.5	7.45	<5	730	1.1	<2	2.31	<0.5	9	16	17
D74123		5.02			<0.005	<0.5	7.37	<5	690	1.2	<2	2.27	<0.5	8	23	16
D74124		4.92			<0.005	<0.5	7.42	5	810	1.1	<2	2.52	<0.5	10	21	22
D74125		7.16			<0.005	<0.5	7.79	8	1580	1.6	<2	4.00	<0.5	22	55	61
D74126		0.07			0.341	<0.5	7.54	204	350	1.1	<2	5.73	<0.5	42	187	115
D74127		5.78			<0.005	<0.5	8.01	<5	2530	1.2	<2	4.43	<0.5	23	50	61
D74128		6.24			<0.005	<0.5	8.19	<5	1650	1.9	<2	3.38	<0.5	19	41	71
D74129		6.51			<0.005	<0.5	8.25	5	1630	2.2	<2	3.45	<0.5	18	37	60
D74130		6.30			<0.005	<0.5	8.34	<5	1690	2.0	3	3.55	<0.5	19	36	88
D74131		5.39			<0.005	<0.5	8.43	<5	1840	1.7	<2	4.21	<0.5	25	46	40
D74132		0.99			<0.005	<0.5	0.06	<5	20	<0.5	<2	33.4	<0.5	1	2	1
D74133		5.40			<0.005	<0.5	7.35	<5	1360	2.1	<2	4.90	<0.5	32	64	170
D74134		7.55			<0.005	<0.5	8.11	<5	2100	1.4	<2	5.08	<0.5	26	63	39
D74135		6.79			<0.005	<0.5	7.76	<5	1910	1.7	<2	5.88	<0.5	33	84	4
D74136		7.54			<0.005	<0.5	8.07	<5	1780	1.8	<2	5.30	<0.5	30	65	19
D74137		7.14			<0.005	<0.5	7.73	<5	1800	1.6	<2	5.13	<0.5	29	73	93
D74138		0.07			1.250	<0.5	6.63	776	430	1.0	<2	5.20	<0.5	37	178	91
D74139		6.69			<0.005	<0.5	8.53	<5	1620	2.4	2	3.45	<0.5	17	30	39
D74140		7.12			<0.005	<0.5	9.00	<5	1790	2.4	<2	3.44	<0.5	16	28	66
D74141		4.84	92.7		<0.005	<0.5	8.83	<5	1700	2.8	<2	3.30	<0.5	17	29	74
D74142		4.40			0.005	<0.5	8.54	<5	1540	2.9	<2	3.20	<0.5	17	29	121
D74143		4.22			<0.005	<0.5	8.11	<5	950	0.9	<2	2.41	<0.5	27	177	115
D74144		3.40			<0.005	<0.5	7.75	<5	790	0.9	<2	2.14	<0.5	26	163	111
D74145		3.50			<0.005	<0.5	7.73	<5	800	0.9	2	2.10	<0.5	24	148	84
D74146		0.07			0.346	<0.5	7.42	208	350	1.1	<2	5.68	<0.5	42	187	114
D74147		3.67			<0.005	<0.5	7.96	<5	1000	1.0	<2	2.14	<0.5	24	154	73
D74148		5.94			<0.005	<0.5	8.97	5	590	1.1	<2	5.37	<0.5	26	45	126
D74149		8.05			<0.005	<0.5	8.50	5	470	1.0	<2	5.20	<0.5	29	53	95
D74150		6.20			<0.005	<0.5	8.58	<5	510	1.1	<2	4.71	<0.5	20	38	76
D74151		8.03			<0.005	<0.5	8.21	<5	400	0.9	2	4.94	<0.5	26	56	74
D74152		1.08			<0.005	<0.5	0.07	<5	20	<0.5	<2	32.7	<0.5	<1	5	1
D74153		7.12			<0.005	<0.5	7.54	5	560	1.0	<2	4.41	<0.5	27	46	74
D74154		4.77			<0.005	<0.5	7.55	<5	140	0.5	<2	6.44	<0.5	75	90	72
D74155		3.08			<0.005	<0.5	8.39	<5	790	1.7	3	5.04	<0.5	20	48	40
D74156		5.19		99.2	<0.005	<0.5	7.60	<5	250	0.8	<2	5.64	<0.5	34	128	63
D74157		3.81		97.2	<0.005	<0.5	7.64	<5	290	1.2	<2	5.49	<0.5	39	101	79
D74158		0.89			<0.005	<0.5	0.14	5	20	<0.5	<2	31.5	<0.5	<1	3	2
D74159		3.43			<0.005	<0.5	7.63	<5	400	1.0	<2	4.93	<0.5	33	38	67
D74160		4.11			<0.005	<0.5	7.92	5	590	1.4	<2	3.41	<0.5	19	31	36

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: 8DQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
D74121		2.51	20	1.82	30	0.67	395	1	3.35	10	1200	10	<0.01	<5	5	564
D74122		2.67	20	2.35	30	0.64	376	<1	2.96	12	850	18	0.01	<5	6	463
D74123		2.65	20	2.29	20	0.59	400	1	2.98	8	740	16	0.01	<5	6	447
D74124		2.96	20	2.26	30	0.65	394	<1	3.00	12	870	13	0.04	<5	6	480
D74125		4.75	20	3.16	50	2.18	805	<1	3.46	35	2570	17	<0.01	<5	10	1550
D74126		8.09	20	0.82	20	3.79	1445	5	2.26	144	1650	5	0.27	<5	19	436
D74127		4.60	20	3.64	40	2.07	867	<1	3.28	33	2490	16	<0.01	<5	10	1415
D74128		4.56	20	3.61	50	1.81	758	1	3.68	27	2290	26	0.02	<5	9	1470
D74129		4.57	20	3.78	60	1.76	790	1	3.86	25	2430	26	0.01	<5	8	1525
D74130		4.68	20	3.78	60	1.80	805	<1	3.85	25	2510	28	<0.01	<5	9	1610
D74131		5.40	20	3.36	60	2.26	893	<1	3.73	35	3150	21	0.01	<5	11	1830
D74132		0.12	<10	0.01	<10	1.82	101	<1	0.03	<1	70	<2	<0.01	<5	<1	93
D74133		6.98	20	3.22	90	3.07	1270	1	3.07	47	3780	22	0.02	<5	15	1260
D74134		5.56	20	2.83	60	2.76	942	<1	2.69	45	3180	13	<0.01	<5	13	1630
D74135		6.99	20	3.16	80	3.37	1165	1	2.45	51	5340	15	<0.01	<5	15	1750
D74136		5.78	20	3.04	70	2.97	975	<1	3.04	48	3250	20	<0.01	<5	14	1950
D74137		5.65	20	2.65	60	2.98	977	1	3.28	51	3150	20	<0.01	<5	13	1855
D74138		9.49	20	0.68	20	3.58	2570	3	1.87	135	1920	9	0.97	<5	17	371
D74139		4.35	20	2.89	60	1.50	724	<1	4.04	23	2110	24	<0.01	<5	7	1650
D74140		4.35	20	3.05	70	1.49	727	1	4.28	24	2120	20	<0.01	<5	8	1715
D74141		4.28	20	3.18	80	1.47	728	1	4.17	22	2080	23	0.01	<5	7	1580
D74142		4.26	20	3.12	70	1.43	722	3	4.14	22	2060	26	0.02	<5	7	1495
D74143		4.95	20	2.53	20	2.13	539	1	2.72	103	780	11	0.16	<5	14	626
D74144		4.57	20	2.31	20	1.95	519	1	2.61	93	690	16	0.17	<5	14	586
D74145		4.42	20	2.33	20	1.90	488	1	2.71	86	740	14	0.11	<5	12	571
D74146		7.98	20	0.82	20	3.73	1430	6	2.22	142	1640	6	0.27	<5	19	430
D74147		4.36	20	2.28	30	1.91	561	1	2.81	88	570	18	0.13	<5	13	625
D74148		6.18	20	0.87	30	2.13	886	1	3.47	34	3430	8	0.11	<5	14	1160
D74149		6.66	20	0.87	30	2.27	1020	<1	3.24	45	2610	8	0.13	<5	17	934
D74150		5.27	20	0.74	30	1.49	799	1	3.53	27	2340	12	0.20	<5	11	1055
D74151		6.06	20	0.73	20	1.99	956	1	3.05	39	1540	6	0.13	<5	18	683
D74152		0.14	<10	0.01	10	1.35	116	<1	0.02	<1	70	2	<0.01	5	<1	89
D74153		6.49	20	1.11	30	1.70	1035	1	2.53	29	860	9	0.15	<5	21	402
D74154		8.66	20	0.50	10	3.05	1440	1	2.32	64	510	5	0.13	<5	36	192
D74155		4.80	20	1.14	30	1.79	799	1	3.02	36	1080	9	0.07	<5	15	535
D74156		7.21	20	0.66	20	2.85	1220	<1	2.57	68	750	5	0.11	<5	29	275
D74157		8.06	20	0.96	10	2.98	1345	1	2.42	68	650	6	0.14	<5	32	231
D74158		0.14	<10	0.01	<10	1.65	108	<1	0.07	<1	60	2	<0.01	<5	1	87
D74159		7.48	20	0.93	20	2.07	1240	1	2.48	37	790	6	0.12	<5	26	291
D74160		4.88	20	1.25	30	1.69	836	1	3.02	23	1530	9	0.20	<5	12	454

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Te ppm 10	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
D74121		10	<20	0.27	<10	<10	57	20	43
D74122		<10	<20	0.26	<10	<10	55	<10	53
D74123		<10	<20	0.23	<10	<10	51	<10	53
D74124		10	<20	0.27	<10	<10	56	<10	57
D74125		<10	<20	0.44	10	<10	130	<10	97
D74126		<10	<20	1.03	<10	<10	155	<10	117
D74127		<10	<20	0.42	10	<10	123	<10	100
D74128		<10	<20	0.44	<10	<10	114	<10	98
D74129		10	<20	0.45	<10	<10	111	<10	100
D74130		10	<20	0.46	<10	<10	114	<10	100
D74131		10	<20	0.54	10	<10	136	<10	114
D74132		10	<20	0.01	<10	<10	2	<10	4
D74133		<10	20	0.63	10	<10	176	<10	153
D74134		10	<20	0.49	<10	<10	150	<10	118
D74135		<10	20	0.60	<10	<10	182	<10	143
D74136		<10	<20	0.50	<10	<10	156	<10	117
D74137		<10	<20	0.48	10	<10	159	<10	116
D74138		<10	<20	0.87	<10	<10	151	<10	126
D74139		10	20	0.42	<10	<10	99	<10	104
D74140		<10	20	0.41	<10	<10	96	<10	104
D74141		<10	20	0.41	10	<10	95	<10	106
D74142		10	20	0.40	10	<10	94	<10	107
D74143		<10	<20	0.41	<10	<10	133	<10	107
D74144		<10	<20	0.39	<10	<10	125	<10	95
D74145		<10	<20	0.39	<10	<10	121	<10	94
D74146		<10	<20	1.02	<10	<10	156	<10	116
D74147		<10	<20	0.36	<10	<10	118	<10	90
D74148		<10	<20	0.64	<10	<10	147	<10	120
D74149		10	<20	0.61	10	<10	161	<10	118
D74150		10	<20	0.54	<10	<10	118	<10	100
D74151		10	<20	0.51	<10	<10	157	<10	101
D74152		10	<20	0.01	<10	<10	2	<10	3
D74153		<10	<20	0.53	<10	<10	175	<10	95
D74154		<10	<20	0.65	<10	<10	277	430	104
D74155		10	<20	0.47	<10	<10	121	<10	68
D74156		<10	<20	0.59	<10	<10	221	<10	103
D74157		<10	<20	0.63	<10	<10	236	10	124
D74158		10	<20	0.01	<10	<10	3	<10	3
D74159		<10	<20	0.55	<10	<10	198	10	115
D74160		<10	<20	0.48	10	<10	115	<10	90

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-AA24 Au g/t 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1
D74161		3.36		95.2	<0.005	<0.5	8.09	<5	480	1.2	<2	3.88	<0.5	19	32	20
D74162		2.97			<0.005	<0.5	8.10	<5	450	1.2	<2	4.18	<0.5	19	33	33
D74163		4.43			<0.005	<0.5	7.88	<5	420	1.1	<2	4.46	<0.5	25	42	42
D74164		4.70			<0.005	<0.5	7.63	<5	260	1.5	<2	4.80	<0.5	34	26	81
D74165		7.11			<0.005	<0.5	7.67	5	300	1.4	<2	4.50	<0.5	26	35	35
D74166		0.07			1.260	<0.5	6.68	786	430	1.0	<2	5.26	<0.5	39	174	92
D74167		9.18			<0.005	<0.5	7.88	<5	1620	1.6	<2	4.16	<0.5	20	59	63
D74168		4.62			<0.005	<0.5	8.11	<5	1850	1.7	<2	3.66	<0.5	18	40	48
D74169		3.92			<0.005	<0.5	7.39	<5	560	0.9	<2	4.09	<0.5	22	59	43
D74170		2.75			<0.005	<0.5	7.40	<5	730	0.9	<2	3.88	<0.5	20	30	43
D74171		5.03			<0.005	<0.5	7.05	<5	200	0.6	<2	5.67	<0.5	42	42	82
D74172		1.05			<0.005	<0.5	0.08	<5	20	<0.5	<2	31.8	<0.5	1	3	2
D74173		6.27			<0.005	<0.5	7.73	<5	600	1.1	<2	4.13	<0.5	21	41	53

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1
D74161		4.85	20	1.12	30	1.48	727	1	3.00	23	1470	7	0.11	<5	13	517
D74162		5.12	20	1.00	30	1.44	802	<1	3.05	25	1640	10	0.17	<5	13	572
D74163		6.14	20	1.12	30	2.07	943	1	2.80	35	1410	10	0.22	<5	17	467
D74164		7.48	20	0.92	20	2.03	1235	2	2.64	27	630	10	0.43	<5	26	362
D74165		6.52	20	0.95	20	1.88	1095	2	2.75	26	1020	8	0.19	<5	22	391
D74166		9.57	20	0.69	20	3.61	2590	3	1.88	136	1930	7	0.97	<5	17	372
D74167		4.45	20	3.06	50	2.07	788	1	3.70	38	2340	23	0.01	<5	9	1680
D74168		4.44	20	3.60	50	1.74	786	1	3.63	26	2420	22	<0.01	<5	9	1550
D74169		5.50	20	1.32	30	1.76	929	1	2.70	42	1060	6	0.09	<5	17	411
D74170		6.14	20	1.52	30	1.37	975	1	2.64	19	940	10	0.09	<5	19	407
D74171		10.10	20	0.59	20	2.35	1560	1	2.30	37	750	5	0.17	<5	36	220
D74172		0.12	<10	0.01	<10	1.42	104	<1	0.04	<1	70	3	<0.01	<5	1	86
D74173		5.34	20	1.35	30	1.43	884	1	2.83	25	1240	8	0.11	<5	16	487

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Te ppm 10	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
D74161		10	<20	0.45	<10	<10	115	<10	88
D74162		<10	<20	0.49	<10	<10	118	<10	102
D74163		<10	<20	0.51	<10	<10	148	<10	100
D74164		<10	<20	0.56	<10	<10	203	<10	107
D74165		<10	<20	0.52	<10	<10	174	<10	100
D74166		<10	<20	0.89	10	<10	152	<10	127
D74167		<10	<20	0.40	<10	<10	109	<10	91
D74168		10	<20	0.41	10	<10	109	<10	96
D74169		<10	<20	0.46	<10	<10	127	<10	90
D74170		10	<20	0.53	<10	<10	154	<10	95
D74171		<10	<20	0.75	10	<10	285	<10	121
D74172		10	<20	0.01	<10	<10	2	<10	2
D74173		<10	<20	0.46	<10	<10	126	<10	89

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ONP0N 1H0

Project: ALS00045

CERTIFICATE OF ANALYSIS TM17191205

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- ICP61		

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU- 21	CRU- 36	CRU- QC	LOG- 22
LOG- 24	PUL- 32y	PUL- QC	SPL- 21
WEI- 21	WSH- 21	WSH- 22	

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

QC CERTIFICATE TM17191205

Project: ALS00045

P.O. No.: 4570018367

This report is for 173 Drill Core samples submitted to our lab in Timmins, ON, Canada on 7- SEP- 2017.

The following have access to data associated with this certificate:

BORDEN ASSAYS ROBERT PENCZAK	THOMAS BISSIG	CHRIS OSIOWY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
WSH- 22	"Wash" pulverizers
CRU-QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 36	Fine Crushing - 85% <2mm
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 24	Pulp Login - Rcd w/o Barcode
SPL- 21	Split sample - riffle splitter
PUL- 32y	Pulv 500 g Split to 90% < 75 um
CRU- 21	Crush entire sample > 70% - 6 mm
WSH-21	"Wash" crushers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP61	33 element four acid ICP- AES	ICP- AES

To: GOLDCORP INC.- BORDEN GOLD
ATTN: BORDEN ASSAYS
SOUTH PORCUPINE ON P0N 1H0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	Au-AA24 Au g/t 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
STANDARDS																
G912-1		7.25														
G912-1		7.26														
Target Range - Lower Bound		6.85														
Upper Bound		7.73														
JK-17		1.910														
JK-17		1.955														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
LEA-16		0.491														
LEA-16		0.496														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MRGeo08			4.4	7.30	41	1120	3.3	<2	2.69	2.2	22	97	645	3.93	20	3.12
MRGeo08			4.2	7.39	36	1090	3.1	<2	2.63	2.4	19	93	614	3.88	20	3.04
MRGeo08			4.3	7.37	36	1100	3.2	2	2.63	2.2	20	93	624	3.92	20	3.20
Target Range - Lower Bound			3.2	6.64	21	980	2.2	<2	2.35	1.1	17	81	586	3.55	<10	2.79
Upper Bound			5.7	8.14	45	1210	4.5	5	2.90	3.4	23	102	676	4.37	40	3.43
OGGeo08			20.8	6.88	121	700	2.9	14	2.25	19.7	99	89	8480	5.46	20	2.94
OGGeo08			20.7	6.54	125	840	2.8	11	2.23	19.5	99	88	8440	5.36	20	2.91
OGGeo08			20.0	6.94	122	760	2.9	8	2.21	19.7	99	87	8470	5.39	20	3.00
Target Range - Lower Bound			17.7	6.07	102	750	1.8	6	1.98	16.2	86	78	7800	4.81	<10	2.59
Upper Bound			22.7	7.44	136	930	4.1	15	2.44	21.0	108	98	8980	5.91	40	3.19
OREAS 503b		0.717														
OREAS 503b		0.702														
Target Range - Lower Bound		0.648														
Upper Bound		0.742														
OREAS 602			>100	4.25	662	290	0.8	60	0.63	25.7	11	33	5230	2.13	20	0.66
OREAS 602			>100	4.24	669	230	0.7	60	0.61	25.2	9	29	4980	2.10	20	0.65
OREAS 602			>100	4.41	693	110	0.8	60	0.64	26.1	10	31	5240	2.18	20	0.70
Target Range - Lower Bound			107.5	3.92	579	630	<0.5	49	0.55	21.7	7	28	4790	2.01	<10	0.60
Upper Bound			100.0	4.82	719	790	1.8	65	0.69	27.7	12	36	5510	2.47	40	0.76
OREAS 45b			<0.5	7.47	8	240	0.8	<2	0.35	<0.5	81	802	494	16.40	30	0.29
OREAS-45b			<0.5	7.35	11	230	0.8	<2	0.34	<0.5	80	811	491	16.10	30	0.29
OREAS-45b			<0.5	7.59	12	250	0.9	2	0.35	<0.5	86	805	508	16.80	20	0.30
Target Range - Lower Bound			<0.5	6.74	<5	210	<0.5	<2	0.30	<0.5	76	774	484	14.80	<10	0.26
Upper Bound			1.2	8.26	22	280	1.9	4	0.38	1.1	95	948	560	18.10	50	0.34

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Te ppm 10	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
STANDARDS																
G912-1																
G912-1																
Target Range - Lower Bound																
Upper Bound																
JK-17																
JK-17																
Target Range - Lower Bound																
Upper Bound																
LEA-16																
LEA-16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		30	1.33	580	15	1.94	712	1080	1120	0.31	<5	11	307	10	<20	0.50
MRGeo08		30	1.33	563	15	1.97	699	1050	1110	0.30	6	11	306	<10	20	0.50
MRGeo08		30	1.31	565	14	2.00	714	1070	1115	0.30	9	11	312	10	20	0.49
Target Range - Lower Bound		<10	1.17	497	12	1.76	621	930	969	0.27	<5	10	276	<10	<20	0.44
Upper Bound		60	1.45	619	18	2.18	761	1160	1190	0.35	15	15	340	20	60	0.56
OGGeo08		30	1.28	520	934	1.89	9000	880	7700	2.89	29	9	257	<10	20	0.41
OGGeo08		20	1.24	519	933	1.85	8920	880	7670	2.86	23	9	254	<10	<20	0.41
OGGeo08		30	1.25	514	917	1.84	8920	870	7510	2.83	23	10	257	<10	20	0.40
Target Range - Lower Bound		<10	1.11	447	841	1.62	8000	760	6510	2.51	16	8	223	<10	<20	0.35
Upper Bound		60	1.38	557	1030	2.00	9770	950	7970	3.09	38	13	275	20	60	0.45
OREAS 503b																
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		10	0.19	240	4	0.42	60	580	1035	2.11	87	4	461	40	<20	0.22
OREAS 602		10	0.19	227	5	0.43	58	570	1035	2.07	82	4	454	40	<20	0.21
OREAS 602		20	0.19	239	5	0.45	60	580	1055	2.12	88	4	479	40	<20	0.22
Target Range - Lower Bound		<10	0.17	198	2	0.40	53	500	918	1.90	65	2	417	20	<20	0.18
Upper Bound		40	0.23	253	7	0.51	67	640	1125	2.34	93	6	511	60	50	0.24
OREAS-45b		20	0.22	974	3	0.08	270	580	28	0.03	<5	49	39	<10	<20	1.35
OREAS-45b		20	0.22	974	2	0.08	264	580	30	0.03	<5	49	36	<10	<20	1.32
OREAS-45b		30	0.22	969	3	0.08	277	570	24	0.03	<5	50	38	<10	20	1.36
Target Range - Lower Bound		<10	0.18	870	<1	0.06	251		21	<0.01	<5	45	30	<10	<20	1.20
Upper Bound		50	0.24	1075	4	0.10	309		31	0.05	11	58	39	20	50	1.48

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
STANDARDS						
G912-1						
G912-1						
Target Range - Lower Bound						
Upper Bound						
JK-17						
JK-17						
Target Range - Lower Bound						
Upper Bound						
LEA-16						
LEA-16						
Target Range - Lower Bound						
Upper Bound						
MRGeo08		10	<10	112	<10	838
MRGeo08		<10	<10	109	<10	811
MRGeo08		<10	<10	110	<10	817
Target Range - Lower Bound		<10	<10	97	<10	722
Upper Bound		20	30	121	30	886
OGGeo08		10	<10	89	<10	7320
OGGeo08		<10	<10	90	<10	7320
OGGeo08		<10	<10	88	<10	7310
Target Range - Lower Bound		<10	<10	77	<10	6500
Upper Bound		20	30	97	20	7950
OREAS 503b						
OREAS 503b						
Target Range - Lower Bound						
Upper Bound						
OREAS 602		<10	<10	33	10	4290
OREAS 602		<10	<10	33	10	4070
OREAS 602		<10	<10	34	10	4220
Target Range - Lower Bound		<10	<10	29	<10	3770
Upper Bound		20	20	37	30	4610
OREAS 45b		10	<10	249	<10	198
OREAS 45b		<10	<10	248	<10	190
OREAS 45b		<10	<10	253	<10	195
Target Range - Lower Bound		<10	<10	225	<10	174
Upper Bound		20	20	277	20	218

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Au-AA24	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
Units	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
LOR	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
BLANKS															
BLANK	<0.005														
BLANK	<0.005														
BLANK	<0.005														
BLANK	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
BLANK		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	<1	<1	<0.01	<10	<0.01
BLANK		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
Target Range - Lower Bound		<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
Upper Bound		1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	20	0.02
DUPLICATES															
ORIGINAL		2.3	6.43	28	1660	1.2	<2	2.31	<0.5	13	14	38	4.31	20	4.61
DUP		1.6	6.56	32	1720	1.3	<2	2.45	<0.5	13	15	38	4.47	20	4.83
Target Range - Lower Bound		1.4	6.16	24	1600	0.7	<2	2.25	<0.5	11	13	36	4.16	<10	4.47
Upper Bound		2.5	6.83	37	1780	1.8	4	2.51	1.0	15	16	40	4.62	30	4.97
ORIGINAL	<0.005														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
ORIGINAL	2.31														
DUP	2.36														
Target Range - Lower Bound	2.21														
Upper Bound	2.46														
ORIGINAL	<0.005														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Th	Ti
Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10	20	0.01
BLANKS															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<10	<0.01	<5	1	<0.01	<1	<10	<2	<0.01	<5	<1	1	<10	<20	<0.01
BLANK	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	1	<10	<20	<0.01
BLANK	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<5	<1	<1	<10	<20	<0.01
BLANK	<10	<0.01	<5	<1	<0.01	2	<10	<2	<0.01	<5	<1	1	<10	<20	<0.01
BLANK	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<10	<20	<0.01
BLANK	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	1	<10	<20	<0.01
Target Range - Lower Bound	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<10	<20	<0.01
Upper Bound	20	0.02	10	2	0.02	2	20	4	0.02	10	2	2	20	40	0.02
DUPLICATES															
ORIGINAL	10	1.27	1490	<1	0.58	6	970	6	0.24	11	15	136	<10	<20	0.43
DUP	20	1.33	1570	<1	0.58	6	1020	7	0.25	8	15	140	<10	<20	0.45
Target Range - Lower Bound	<10	1.23	1450	<1	0.54	5	940	4	0.22	<5	13	130	<10	<20	0.41
Upper Bound	20	1.38	1610	2	0.62	7	1050	9	0.27	10	17	146	20	40	0.47
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description / Method / Analyte / Units / LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
BLANKS					
BLANK					
BLANK					
BLANK					
BLANK					
Target Range - Lower Bound					
Upper Bound					
BLANK	<10	<10	<1	<10	<2
BLANK	<10	<10	<1	<10	<2
BLANK	<10	<10	<1	<10	<2
BLANK	<10	<10	<1	<10	<2
BLANK	<10	<10	<1	<10	<2
BLANK	<10	<10	<1	<10	<2
Target Range - Lower Bound	<10	<10	<1	<10	<2
Upper Bound	20	20	2	20	4
DUPLICATES					
ORIGINAL	10	<10	127	<10	64
DUP	<10	<10	134	<10	68
Target Range - Lower Bound	<10	<10	123	<10	61
Upper Bound	20	20	138	20	71
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					

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SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method / Analyte / Units / LOR	Au- AA24 Au g/t 0.005	ME- ICP61 Ag ppm 0.5	ME- ICP61 Al % 0.01	ME- ICP61 As ppm 5	ME- ICP61 Ba ppm 10	ME- ICP61 Be ppm 0.5	ME- ICP61 Bi ppm 2	ME- ICP61 Ca % 0.01	ME- ICP61 Cd ppm 0.5	ME- ICP61 Co ppm 1	ME- ICP61 Cr ppm 1	ME- ICP61 Cu ppm 1	ME- ICP61 Fe % 0.01	ME- ICP61 Ga ppm 10	ME- ICP61 K % 0.01
DUPLICATES																
D74010		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
D74021			<0.5	7.20	<5	1410	1.6	<2	3.68	<0.5	19	55	7	4.07	20	1.65
DUP			<0.5	7.76	<5	1530	1.8	<2	4.00	<0.5	19	60	8	4.42	20	1.77
Target Range - Lower Bound			<0.5	7.10	<5	1390	1.1	<2	3.64	<0.5	17	54	6	4.02	<10	1.61
Upper Bound			1.0	7.86	10	1550	2.3	4	4.04	1.0	21	61	9	4.47	30	1.81
D74030		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
D74050		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
D74057			<0.5	7.62	<5	890	1.3	2	2.66	<0.5	19	98	47	4.14	20	1.52
DUP			<0.5	7.71	<5	900	1.4	<2	2.72	<0.5	19	102	48	4.20	20	1.55
Target Range - Lower Bound			<0.5	7.27	<5	840	0.8	<2	2.55	<0.5	17	94	45	3.95	<10	1.45
Upper Bound			1.0	8.06	10	950	1.9	4	2.83	1.0	21	106	50	4.39	30	1.62
D74088		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
D74093			<0.5	7.73	<5	1640	1.9	<2	3.91	<0.5	19	47	58	4.23	20	2.71
DUP			<0.5	7.60	<5	1640	1.8	<2	3.93	<0.5	18	46	65	4.23	20	2.69
Target Range - Lower Bound			<0.5	7.27	<5	1550	1.3	<2	3.71	<0.5	17	43	58	4.01	<10	2.56
Upper Bound			1.0	8.06	10	1730	2.4	4	4.13	1.0	20	50	65	4.45	30	2.85
D74108		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS0004S

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Th	Ti
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10	20	0.01
DUPLICATES																
D74010 DUP																
Target Range - Lower Bound																
Upper Bound																
D74021		30	1.65	660	1	3.34	34	1340	12	<0.01	<5	8	1165	<10	<20	0.40
DUP		30	1.78	712	2	3.62	38	1460	12	<0.01	<5	8	1275	<10	<20	0.43
Target Range - Lower Bound		20	1.62	647	<1	3.30	33	1320	9	<0.01	<5	7	1160	<10	<20	0.38
Upper Bound		40	1.81	725	2	3.66	39	1480	15	0.02	10	9	1280	20	40	0.45
D74030 DUP																
Target Range - Lower Bound																
Upper Bound																
D74050 DUP																
Target Range - Lower Bound																
Upper Bound																
D74057		20	1.66	557	1	3.27	57	1070	12	0.12	<5	11	742	<10	<20	0.37
DUP		20	1.69	570	1	3.29	56	1080	10	0.13	<5	11	750	<10	<20	0.37
Target Range - Lower Bound		<10	1.58	530	<1	3.11	53	1010	8	0.11	<5	9	708	<10	<20	0.34
Upper Bound		30	1.77	597	2	3.45	60	1140	14	0.14	10	13	784	20	40	0.40
D74088 DUP																
Target Range - Lower Bound																
Upper Bound																
D74093		50	1.88	751	<1	3.67	36	2260	18	0.02	<5	8	1570	<10	<20	0.41
DUP		50	1.85	752	1	3.67	42	2250	26	0.02	<5	8	1565	<10	<20	0.41
Target Range - Lower Bound		40	1.76	709	<1	3.48	36	2130	19	<0.01	<5	7	1490	<10	<20	0.38
Upper Bound		60	1.97	794	2	3.86	42	2380	25	0.03	10	9	1645	20	40	0.44
D74108 DUP																
Target Range - Lower Bound																
Upper Bound																

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To: GOLDCORP INC.- BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method Analyte Units LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
		DUPLICATES				
D74010 DUP						
Target Range - Lower Bound						
Upper Bound						
D74021		<10	<10	101	20	92
DUP		<10	<10	110	10	100
Target Range - Lower Bound		<10	<10	99	<10	89
Upper Bound		20	20	112	20	103
D74030 DUP						
Target Range - Lower Bound						
Upper Bound						
D74050 DUP						
Target Range - Lower Bound						
Upper Bound						
D74057		<10	<10	105	<10	93
DUP		10	<10	108	<10	93
Target Range - Lower Bound		<10	<10	100	<10	86
Upper Bound		20	20	113	20	100
D74088 DUP						
Target Range - Lower Bound						
Upper Bound						
D74093		<10	<10	105	<10	99
DUP		<10	<10	106	<10	104
Target Range - Lower Bound		<10	<10	99	<10	94
Upper Bound		20	20	112	20	109
D74108 DUP						
Target Range - Lower Bound						
Upper Bound						

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SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	Au-AA24	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
DUPLICATES																
D74128		<0.005														
DUP		<0.005														
Target Range- Lower Bound		<0.005														
Upper Bound		0.010														
D74129			<0.5	8.25	5	1630	2.2	<2	3.45	<0.5	18	37	60	4.57	20	3.78
DUP			<0.5	8.02	<5	1590	2.1	<2	3.36	<0.5	19	37	59	4.48	20	3.68
Target Range - Lower Bound			<0.5	7.72	<5	1520	1.5	<2	3.22	<0.5	17	34	56	4.29	<10	3.53
Upper Bound			1.0	8.55	10	1700	2.8	4	3.59	1.0	20	40	63	4.76	30	3.93
D74165		<0.005	<0.5	7.67	5	300	1.4	<2	4.50	<0.5	26	35	35	6.52	20	0.95
DUP		<0.005	<0.5	7.53	<5	290	1.4	2	4.41	<0.5	26	31	35	6.42	20	0.93
Target Range- Lower Bound		<0.005	<0.5	7.21	<5	270	0.8	<2	4.22	<0.5	24	30	33	6.14	<10	0.88
Upper Bound		0.010	1.0	7.99	10	320	2.0	4	4.69	1.0	28	36	37	6.80	30	1.00
ORIGINAL		>10.0														
DUP		>10.0														
Target Range - Lower Bound		9.50														
Upper Bound		10.00														
ORIGINAL		0.008														
DUP		0.011														
Target Range- Lower Bound		<0.005														
Upper Bound		0.010														
PREP DUPLICATES																
D74060		<0.005	<0.5	7.67	<5	550	1.0	<2	3.35	<0.5	12	35	41	3.64	20	0.80
D74060 PREP DUP		<0.005	<0.5	7.72	6	560	1.0	<2	3.36	<0.5	12	37	41	3.76	20	0.84
D74116		<0.005	<0.5	7.60	<5	470	1.2	<2	3.30	<0.5	16	31	40	5.06	20	1.18
D74116 PREP DUP		0.008	<0.5	7.60	5	480	1.2	2	3.31	<0.5	17	34	45	5.16	20	1.25

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Th	Ti
	Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10	20	0.01
DUPLICATES																
D74128 DUP																
Target Range - Lower Bound																
Upper Bound																
D74129		60	1.76	790	1	3.86	25	2430	26	0.01	<5	8	1525	10	<20	0.45
DUP		50	1.70	763	1	3.79	25	2360	27	0.01	<5	8	1485	10	<20	0.44
Target Range- Lower Bound		40	1.63	733	<1	3.62	23	2270	23	<0.01	<5	7	1430	<10	<20	0.41
Upper Bound		70	1.83	820	2	4.03	27	2520	30	0.02	10	9	1580	20	40	0.48
D74165		20	1.88	1095	2	2.75	26	1020	8	0.19	<5	22	391	<10	<20	0.52
DUP		20	1.84	1070	<1	2.70	25	990	8	0.18	<5	22	384	<10	<20	0.51
Target Range - Lower Bound		<10	1.76	1025	<1	2.58	23	940	6	0.17	<5	20	367	<10	<20	0.48
Upper Bound		30	1.96	1140	2	2.87	28	1070	10	0.20	10	24	408	20	40	0.55
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
PREP DUPLICATES																
D74060		30	1.13	461	<1	3.52	18	1190	10	0.08	<5	8	744	<10	<20	0.36
D74060 PREP DUP		30	1.11	477	<1	3.54	18	1180	8	0.08	<5	8	753	10	<20	0.36
D74116		30	1.42	657	9	3.14	19	2120	2	0.40	<5	11	625	10	<20	0.52
D74116 PREP DUP		30	1.42	673	5	3.24	22	2130	6	0.39	<5	12	639	<10	<20	0.52

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To: GOLDCORP INC. - BORDEN GOLD
SOUTH PORCUPINE ON P0N 1H0

Finalized Date: 17- SEP- 2017
Account: BDQEFN

Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
	DUPLICATES					
D74128	DUP					
	Target Range - Lower Bound					
	Upper Bound					
D74129		<10	<10	111	<10	100
	DUP	<10	<10	109	<10	98
	Target Range - Lower Bound	<10	<10	104	<10	92
	Upper Bound	20	20	117	20	106
D74165		<10	<10	174	<10	100
	DUP	10	<10	173	<10	98
	Target Range - Lower Bound	<10	<10	164	<10	92
	Upper Bound	20	20	183	20	106
ORIGINAL						
	DUP					
	Target Range- Lower Bound					
	Upper Bound					
ORIGINAL						
	DUP					
	Target Range - Lower Bound					
	Upper Bound					
	PREP DUPLICATES					
D74060		<10	<10	77	<10	63
D74060 PREP DUP		<10	<10	77	<10	63
D74116		<10	<10	112	<10	95
D74116 PREP DUP		<10	<10	114	<10	96

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Project: ALS00045

QC CERTIFICATE OF ANALYSIS TM17191205

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA24	ME- ICP61		

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU- 21	CRU- 36	CRU-QC	LOG- 22
LOG- 24	PUL- 32y	PUL- QC	SPL- 21
WEI- 21	WSH- 21	WSH- 22	

PLEASE FAX TO 705-269-8368 OR SCAN TO JDANA@PEOPLEATWORK.CA OR TEXT TO 705-221-5458
NO LATER THAN TUESDAY AT 5PM

Individual Employee Timesheet

WORKFORCE
PEOPLE AT WORK

Employee Name (please print): Tony Sarrasin

Employee Signature: Tony Sarrasin

Week Ending (Saturday's date): January 13, 2018

DATE	Job Type	Start Time	Finish Time	Less Lunch	Regular Hours	Over Time
Sunday	Core tech	12	6		6	
Monday	Core tech	6	6	.5	11.5	
Tuesday	Core tech	6	6	.5	11.5	
Wednesday	Core tech	6	6	.5	11.5	
Thursday						
Friday						
Saturday						
TOTAL					37.5	

Company Name (please print): Goldcorp

P.O #:

Authorized Signature: Craig Yeill

Date: Jan 15/2018

TERMS & CONDITIONS

Client Authorization:

The individual signing this timesheet is an authorized representative of the client company and is hereby unconditionally accepting the following terms and conditions.

1. Workforce Inc. requires a signed agreement prior to the release of confidential employee information or the release of an employee.
2. The client agrees that there is a minimum charge of FOUR (4) hours per employee per day. This applies when the employee is directed by Workforce and the client verbally, or in writing to be at work on a designated date for a specific duration of time, even if the employee doesn't begin the actual work.
3. All hours worked in excess of 8 hours per day, week-ends and Statutory Holidays will be billable to the client at the rate of time and one half the regular bill rate. (Unless terms otherwise agreed upon)
4. The client understands and agrees that by authorizing a Workforce timesheet, the employee hours worked were performed in a satisfactory manner and that the client accepts to be billed at the agreed upon hourly rate.
5. Workforce adheres to the Labor Standards as defined in the Ontario Employment Standards Act. Temporary contract employees will be paid vacation pay, statutory holidays, and overtime as per the Act.
6. The client understands and agrees that the employee remains an employee of Workforce for a period of one year.
7. In the event that the client decides to permanently hire a temporary employee, it is understood that a minimum transfer period of 800 hours will apply. If the request occurs prior to the completion of the 800 hour term, a pro rated placement fee will be charged based upon the employees hours worked to date.
8. The client agrees to provide our employee with supervision, including instructions and information on the company safety rules and guidelines, which must include those of the site where they are working. Our employee will be responsible to be job ready with the basic PPE (Personal Protective Equipment) requirements. Costs of additional PPE, equipment and training may be the burden of the client.
9. The client agrees to give authorization to Workforce or any of its employees any access to the clients Health and Safety policies and procedures at anytime upon request including while on any work site, end before, during, or after any placement of any employee.
10. All provided employees are covered by the Workplace Safety & Insurance Board.
11. The client will completely insure all of their buildings, machinery and/or vehicles (whether leased or owned) with public liability, property damage, collision, fire and theft coverage. Workforce and it's employees will have full benefit and protection of such insurances. The client shall ensure and document that the employee is properly skilled and qualified in the operation of any machinery, tools, equipment or vehicles prior to the employee attempting any such operations.
12. Workforce will not be responsible for, and does not cover by insurance any damage to property, bodily injury, fire, theft, collision or public liability claims resulting from an employee operating any of the client's motor vehicles, tools or other machinery.
13. It is understood and agreed that the client will completely insure all cargo and merchandise handled by any employee. It is also agreed by the client that Workforce has no responsibility or liability for shortages or losses resulting from any damage, theft, or negligence on behalf of any employee.
14. Workforce does not authorize or recommend that the client accept or offer cash advances to any employee. Workforce and management are not responsible for any debts incurred by any employee while employed and on placement with the client.
15. Workforce employees are under the care and control of the client's organization. In the event that the employee becomes ill, or is injured while employed at the clients premises or any of its affiliates, it is the clients responsibility to arrange transportation to the nearest hospital or medical facility that will provide proper medical care. Workforce will require a detailed incident report should an employee become ill or injured and all information should be directed to Workforce Management immediately.
16. Invoices will be issued weekly. All invoices will be paid in terms net 10 days.

Candidate Agreement

Each candidate identified on this timesheet for payment is unconditionally accepting all terms and conditions.

1. The candidate will not borrow money form the client and will be responsible for all delinquent debts incurred in the candidate's name.
2. Timesheets must be signed by the client. All unsigned timesheets will not be accepted. In order to receive a paycheque, a signed timesheet must be presented to Workforce Inc. by the cend date. Failure to do so may result in a delay in receiving a paycheque.
3. The candidate shall under no circumstances seek or accept direct offers of temporary or permanent employment without discussing with a representative of Workforce management.
4. The candidate will notify Workforce of any reason why he/she cannot report to an assignment, including lateness, sickness, sickness or leave of absence.
5. The candidate will notify Workforce once his/her assignment is complete.
6. It is agreed that the hours submitted by the candidate are valid and correct.

Appendix 4. Claim Listing

	Mineral Claim	Recording Date	Claim Due Date	Township	Claim Units	Hectares
1	4275651	29-May-14	4-Dec-17	LINCOLN	13	208
2	4275652	29-May-14	4-Dec-17	LINCOLN	16	256
3	4275653	29-May-14	4-Dec-17	LINCOLN	16	256
4	4275654	29-May-14	4-Dec-17	LINCOLN	16	256
5	4275655	29-May-14	4-Dec-17	LINCOLN	6	96
6	4275658	29-May-14	4-Dec-17	LINCOLN	16	256
7	4275659	29-May-14	4-Dec-17	LINCOLN	6	96
8	4275660	29-May-14	4-Dec-17	LINCOLN	16	256
9	4275661	29-May-14	4-Dec-17	LINCOLN	16	256
10	4275662	29-May-14	4-Dec-17	LINCOLN	16	256
11	4275663	29-May-14	4-Dec-17	LINCOLN	16	256
12	4275666	29-May-14	4-Dec-17	LINCOLN	9	144
13	4275667	29-May-14	4-Dec-17	LINCOLN	16	256
14	4275668	29-May-14	4-Dec-17	LINCOLN	16	256
15	4275669	29-May-14	4-Dec-17	LINCOLN	16	256
16	4275670	29-May-14	4-Dec-17	LINCOLN	16	256
17	4275671	29-May-14	4-Dec-17	LINCOLN	16	256
18	4275674	29-May-14	4-Dec-17	LINCOLN	6	96
19	4275675	29-May-14	4-Dec-17	LINCOLN	16	256
20	4275676	29-May-14	4-Dec-17	LINCOLN	16	256
21	4275677	29-May-14	4-Dec-17	LINCOLN	16	256
22	4275678	29-May-14	4-Dec-17	LINCOLN	16	256
23	4275679	29-May-14	4-Dec-17	LINCOLN	16	256
24	4275680	29-May-14	4-Dec-17	LINCOLN	16	256
25	4275681	29-May-14	4-Dec-17	LINCOLN	16	256
26	4275682	29-May-14	4-Dec-17	LINCOLN	16	256
27	4275683	29-May-14	4-Dec-17	LINCOLN	16	256
28	4275684	29-May-14	4-Dec-17	LINCOLN	16	256
29	4275685	29-May-14	4-Dec-17	LINCOLN	15	240
30	4275686	29-May-14	4-Dec-17	LINCOLN	16	256
31	4275687	29-May-14	4-Dec-17	LINCOLN	16	256
32	4275688	29-May-14	4-Dec-17	LINCOLN	16	256
33	4275085	30-Jun-14	30-Jun-18	LINCOLN	5	80
34	4274438	31-Jul-14	31-Jan-18	LINCOLN	16	256
35	4274439	31-Jul-14	31-Jan-18	LINCOLN	16	256
36	4274440	31-Jul-14	31-Jan-18	LINCOLN	16	256
37	4274441	31-Jul-14	31-Jan-18	LINCOLN	16	256
38	4274446	31-Jul-14	31-Jan-18	LINCOLN	16	256

39	4274447	31-Jul-14	31-Jan-18	LINCOLN	16	256
40	4275087	31-Jul-14	31-Jan-18	LINCOLN	16	256
41	4275088	31-Jul-14	31-Jan-18	LINCOLN	16	256
42	4274442	31-Jul-14	31-Jan-18	LINCOLN	16	256
43	4274443	31-Jul-14	31-Jan-18	LINCOLN	16	256
44	4274444	31-Jul-14	31-Jan-18	LINCOLN	16	256
45	4274445	31-Jul-14	31-Jan-18	LINCOLN	16	256
46	4275656	29-May-14	29-May-18	COPPERFIELD	16	256
47	4275657	29-May-14	29-May-18	COPPERFIELD	9	144
48	4275672	29-May-14	29-May-18	COPPERFIELD	8	128
49	4275673	29-May-14	29-May-18	COPPERFIELD	10	160
50	4274431	29-May-14	29-May-18	COPPERFIELD	16	256
51	4274432	29-May-14	29-May-18	COPPERFIELD	10	160
52	4275664	29-May-14	29-May-18	COPPERFIELD	16	256
53	4275665	29-May-14	29-May-18	COPPERFIELD	4	64
54	4277199	30-Jun-14	30-Jun-18	COPPERFIELD	16	256
55	4277200	30-Jun-14	30-Jun-18	COPPERFIELD	14	224